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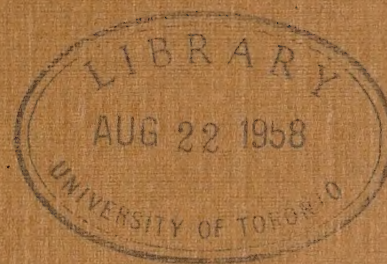
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HYDRO-ELECTRIC INQUIRY COMMISSION

ENGINEERING DATA

THE QUEENSTON-CHIPPAWA POWER DEVELOPMENT

CHAPTER "J"—QUANTITIES

TEMPORARY BUILDINGS AND COMMISSARIAT FOR CONSTRUCTION

WALTER J. FRANCIS, C. E.


CONSULTING ENGINEER

Chapter J.

QUANTITIES

(Temporary Buildings and Commissariat for Construction)

Walter J. Francis



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Year	Month	Day	Time	Location	Species	Count
2008	Jan	1	08:00	Site 1	Sp. A	10
2008	Jan	2	08:00	Site 1	Sp. A	12
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2008	Jan	4	08:00	Site 1	Sp. A	18
2008	Jan	5	08:00	Site 1	Sp. A	20
2008	Jan	6	08:00	Site 1	Sp. A	22
2008	Jan	7	08:00	Site 1	Sp. A	25
2008	Jan	8	08:00	Site 1	Sp. A	28
2008	Jan	9	08:00	Site 1	Sp. A	30
2008	Jan	10	08:00	Site 1	Sp. A	32
2008	Jan	11	08:00	Site 1	Sp. A	35
2008	Jan	12	08:00	Site 1	Sp. A	38
2008	Jan	13	08:00	Site 1	Sp. A	40
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2008	Jan	15	08:00	Site 1	Sp. A	45
2008	Jan	16	08:00	Site 1	Sp. A	48
2008	Jan	17	08:00	Site 1	Sp. A	50
2008	Jan	18	08:00	Site 1	Sp. A	52
2008	Jan	19	08:00	Site 1	Sp. A	55
2008	Jan	20	08:00	Site 1	Sp. A	58
2008	Jan	21	08:00	Site 1	Sp. A	60
2008	Jan	22	08:00	Site 1	Sp. A	62
2008	Jan	23	08:00	Site 1	Sp. A	65
2008	Jan	24	08:00	Site 1	Sp. A	68
2008	Jan	25	08:00	Site 1	Sp. A	70
2008	Jan	26	08:00	Site 1	Sp. A	72
2008	Jan	27	08:00	Site 1	Sp. A	75
2008	Jan	28	08:00	Site 1	Sp. A	78
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Author	Title	Year
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THEORY OF THE FIRM

Problem	Answer
10-1. A firm has a production function $Q = 10L^{0.5}K^{0.5}$. The firm's cost function is $C = 10L + 10K$. The firm's profit function is $\pi = 10L + 10K - 10L^{0.5}K^{0.5}$. The firm's profit is maximized when $L = 1$ and $K = 1$. The firm's profit is $\pi = 10(1) + 10(1) - 10(1)^{0.5}(1)^{0.5} = 10$.	10
10-2. A firm has a production function $Q = 10L^{0.5}K^{0.5}$. The firm's cost function is $C = 10L + 10K$. The firm's profit function is $\pi = 10L + 10K - 10L^{0.5}K^{0.5}$. The firm's profit is maximized when $L = 1$ and $K = 1$. The firm's profit is $\pi = 10(1) + 10(1) - 10(1)^{0.5}(1)^{0.5} = 10$.	10
10-3. A firm has a production function $Q = 10L^{0.5}K^{0.5}$. The firm's cost function is $C = 10L + 10K$. The firm's profit function is $\pi = 10L + 10K - 10L^{0.5}K^{0.5}$. The firm's profit is maximized when $L = 1$ and $K = 1$. The firm's profit is $\pi = 10(1) + 10(1) - 10(1)^{0.5}(1)^{0.5} = 10$.	10
10-4. A firm has a production function $Q = 10L^{0.5}K^{0.5}$. The firm's cost function is $C = 10L + 10K$. The firm's profit function is $\pi = 10L + 10K - 10L^{0.5}K^{0.5}$. The firm's profit is maximized when $L = 1$ and $K = 1$. The firm's profit is $\pi = 10(1) + 10(1) - 10(1)^{0.5}(1)^{0.5} = 10$.	10
10-5. A firm has a production function $Q = 10L^{0.5}K^{0.5}$. The firm's cost function is $C = 10L + 10K$. The firm's profit function is $\pi = 10L + 10K - 10L^{0.5}K^{0.5}$. The firm's profit is maximized when $L = 1$ and $K = 1$. The firm's profit is $\pi = 10(1) + 10(1) - 10(1)^{0.5}(1)^{0.5} = 10$.	10
10-6. A firm has a production function $Q = 10L^{0.5}K^{0.5}$. The firm's cost function is $C = 10L + 10K$. The firm's profit function is $\pi = 10L + 10K - 10L^{0.5}K^{0.5}$. The firm's profit is maximized when $L = 1$ and $K = 1$. The firm's profit is $\pi = 10(1) + 10(1) - 10(1)^{0.5}(1)^{0.5} = 10$.	10
10-7. A firm has a production function $Q = 10L^{0.5}K^{0.5}$. The firm's cost function is $C = 10L + 10K$. The firm's profit function is $\pi = 10L + 10K - 10L^{0.5}K^{0.5}$. The firm's profit is maximized when $L = 1$ and $K = 1$. The firm's profit is $\pi = 10(1) + 10(1) - 10(1)^{0.5}(1)^{0.5} = 10$.	10
10-8. A firm has a production function $Q = 10L^{0.5}K^{0.5}$. The firm's cost function is $C = 10L + 10K$. The firm's profit function is $\pi = 10L + 10K - 10L^{0.5}K^{0.5}$. The firm's profit is maximized when $L = 1$ and $K = 1$. The firm's profit is $\pi = 10(1) + 10(1) - 10(1)^{0.5}(1)^{0.5} = 10$.	10
10-9. A firm has a production function $Q = 10L^{0.5}K^{0.5}$. The firm's cost function is $C = 10L + 10K$. The firm's profit function is $\pi = 10L + 10K - 10L^{0.5}K^{0.5}$. The firm's profit is maximized when $L = 1$ and $K = 1$. The firm's profit is $\pi = 10(1) + 10(1) - 10(1)^{0.5}(1)^{0.5} = 10$.	10
10-10. A firm has a production function $Q = 10L^{0.5}K^{0.5}$. The firm's cost function is $C = 10L + 10K$. The firm's profit function is $\pi = 10L + 10K - 10L^{0.5}K^{0.5}$. The firm's profit is maximized when $L = 1$ and $K = 1$. The firm's profit is $\pi = 10(1) + 10(1) - 10(1)^{0.5}(1)^{0.5} = 10$.	10

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Chapter J.

QUANTITIES

Walter J. Francis.

The first part of Chapter J, being pages J-1 to J-45, refer to quantities in the right-of-way. The present portion is devoted to the basic element of temporary buildings and commissariat for construction of the Queenston-Chippawa Power Development.

COPY

TEMPORARY BUILDINGS AND COMMISSARIAT FOR CONSTRUCTION

General.

In carrying out such construction work on the Intake, the Welland River, the Canal, the Forebay, the Screen House, the Power House and the Tailrace as was conducted under force account by the Hydro-Electric Power Commission of Ontario, the service buildings used therefor formed an important element. These buildings consisted of houses, sheds and other structures situated on the several parcels of right-of-way, and of new structures specially built for the particular purpose in hand. Generally speaking, the buildings were used for such purposes as lodging and boarding places for workmen, engineering and administration quarters, plant housing and repair shops, storage, watchmen's shelters, and so forth.

All of the buildings now referred to are concerned only with the question of

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construction and do not directly form a permanent part of the Queenston-Chippawa Power Development.

Records.

The records concerning the temporary buildings are voluminous and very complete, and they include such general information as the date of construction, the cost, the original purpose, the subsequent uses, the type of construction, the disposition and so forth, as well as photographs. In the case of buildings acquired in the right-of-way the records are not so complete as in the case of the new structures. A plan of numbering the buildings was adopted at the beginning of the work and in this way the keeping of the records was much facilitated.

The acquired buildings were of the miscellaneous nature which one would expect to find on the properties already described under the section on right-of-way, and it does not seem necessary to make any further reference to them.

The new buildings vary in type according to their intended use. Some of them were so constructed as to be comparatively safe from the viewpoint of sanitation and fire risk. Others did not demand even these qualities. In a general way all were constructed by the Hydro-Electric Power Commission of Ontario with a view to having their useful life in keeping with the needs of the construction work.

Later in the text a general list of the buildings is given. For purpose of discussion, however, I have chosen a number of buildings as typical of the whole, and for convenience of record a set of photographs is included herewith as pages J-48 to J-75.

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1888

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To face page J-48.

No. J-3

Camp Buildings under construction at Smeaton's Cove

(Foreign Labour)

Taken January 8th, 1919.

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No. J-4

Cement Sheds and Camp at Whirlpool

(Foreign Labour)

Taken February 4th, 1921.



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No. J-5

Typical Small Bunk House

(Foreign Labour)

No. 73 (Rear)

Taken February 7th, 1922.

No. J-6

Typical Small Bunk House

(Foreign Labour)

No. 29 (Front)

Taken February 9th, 1922.

No. J-7

Typical Small Bunk House

(Foreign Labour)

No. 61 (Front)

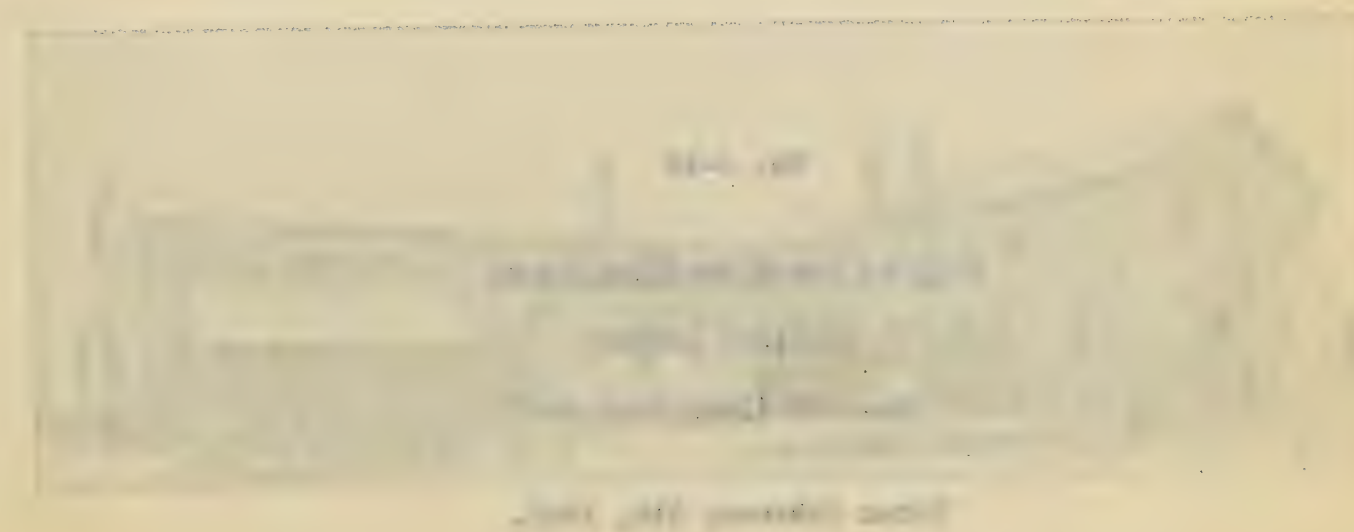
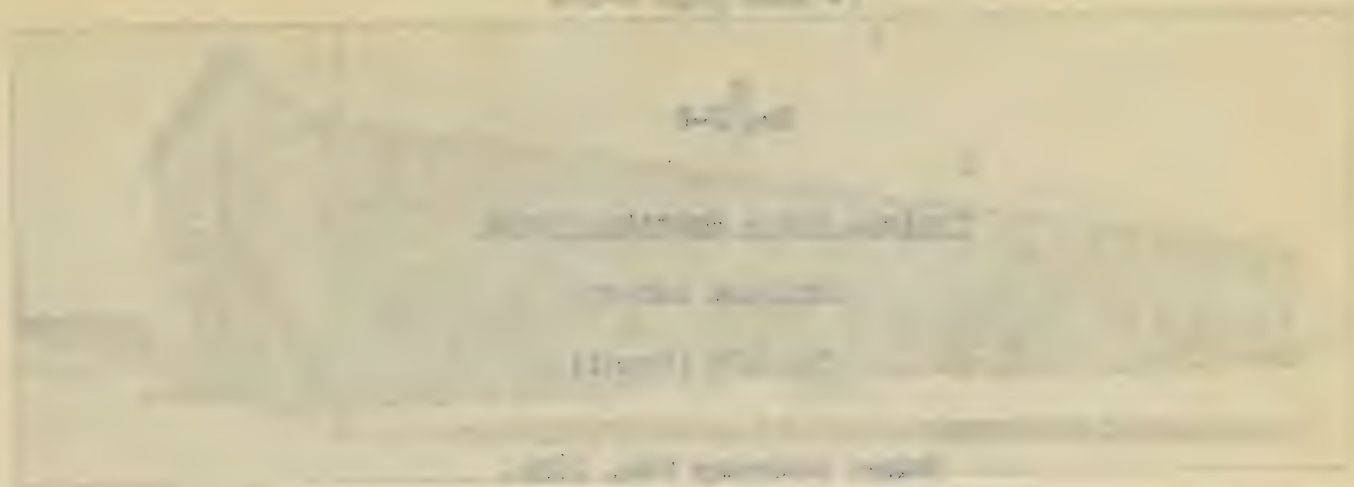
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Typical Large Boarding House

(Skilled Labour)

No. 100 (Front)

Taken February 9th, 1922.

No. J-9

COPY

Typical Large Boarding House

(Skilled Labour)

No. 100 (Rear East End)

Taken February 9th, 1922.

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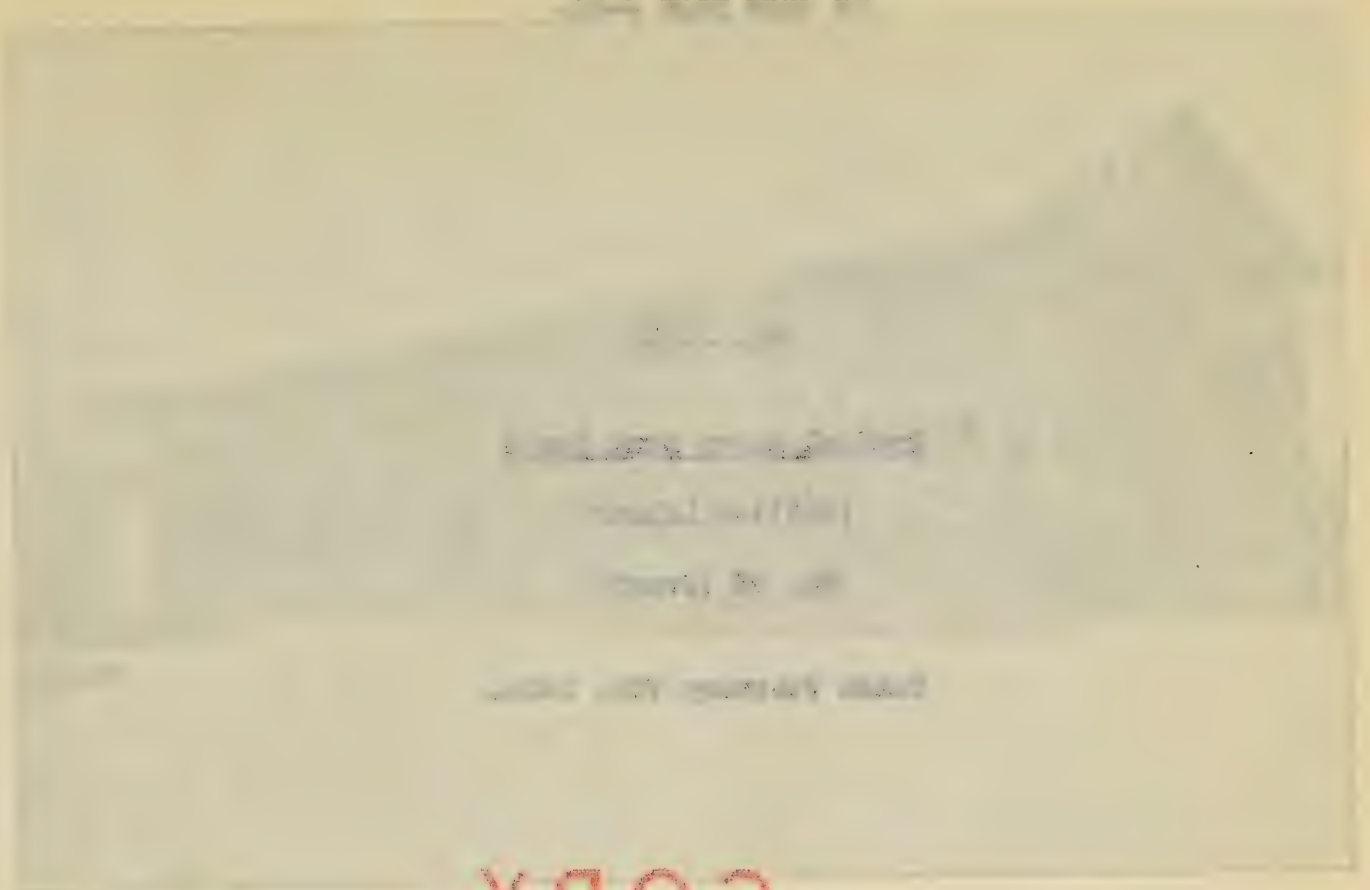
Typical Large Boarding House

(Skilled Labour)

No. 100 (Rear West End)

Taken February 9th, 1922.





COPY



WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-51.

No. J-11

Typical Large Bunk House

(Skilled Labour)

No. 98 (Front)

Taken February 7th, 1922.

COPY

No. J-12

Typical Large Bunk House

(Skilled Labour)

No. 98 (Rear)

Taken February 7th, 1922.



THE AMERICAN WEST

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WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-52.

No. J-13

Typical Boarding Camp

(Skilled Labour)

No. 231 (Front)

Taken February 16th, 1922.

No. J-14

Typical Boarding Camp

(Skilled Labour)

No. 231 (Rear)

Taken February 16th, 1922.

No. J-15

Cement Shed at Whirlpool

No. 202

Taken February 8th, 1922.



WATSON & WATSON
COPY FOR ENCLOSURE T.M.T.
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WATSON & WATSON
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WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-55.

No. J-16

Typical Boarding Camp

(Skilled Labour)

No. 181 (Front)

Taken February 7th, 1922.

COPY

No. J-17

Typical Boarding Camp

(Skilled Labour)

No. 181 (Rear)

Taken February 7th, 1922.



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WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-54.

No. J-18

Interior of Dormitory of Boarding Camp

(Skilled Labour)

No. 180

Taken September 9th, 1922.

COPY

No. J-19

Dining Room of Boarding Camp

(Skilled Labour)

No. 164-A

Taken September 9th, 1922.



100-1000-1000



WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-55.

No. J-20

Typical Corridor of Bunk House

(Skilled Labour)

No. 186-C

Taken September 9th, 1922.



210 BUILDING -
C. E. Smith, Sep. 9, 1932.



COPY



To face page J-56.

No. J-21

Typical Wash Room of Bunk House

(Skilled Labour)

No. 186-C

Taken September 9th, 1922.

COPY

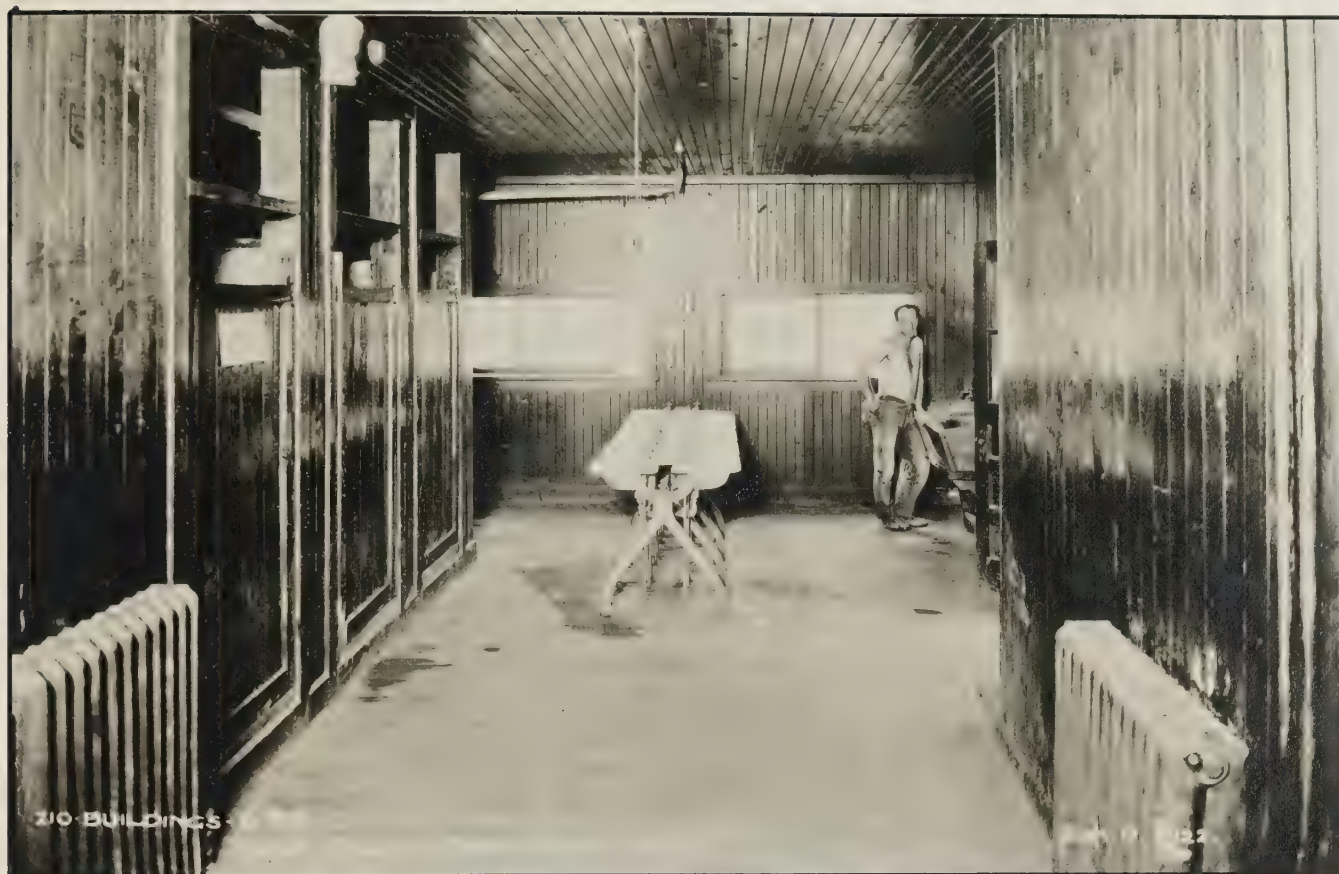
No. J-22

Typical Interior of Bunk House at Whirlpool

(Foreign Labour)

No. 106

Taken September 9th, 1922.



210 BUILDINGS



210

210 BUILDINGS

Sept. 9, 1922.

1911-12

1911-12



WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-57.

No. J-23

Typical Bed Room of Bunk House

(Skilled Labour)

No. 186-C

Taken September 9th, 1922.



210-BUILDINGS, 636.

Bed Room, Bunk House 186.C. Sep 9, 1935

COPY

WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-58.

No. J-24

Operating Room of Hospital

Taken December 11th, 1917.

COPY

No. J-25

Ward No. 2 in Hospital

Taken July 20th, 1921.





COPY



WALTER J. FRANCIS & COMPANY

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-59.

No. J-26

Main Office Building for Works

No. 197 (Front)

Taken February 10th, 1922.

COPY

No. J-27

Main Office Building for Works

No. 197 (Rear)

Taken February 10th, 1922.



THE GREAT PACIFIC RAILROAD

NO. 1-10

THE GREAT PACIFIC RAILROAD
AND THE PACIFIC COAST
AND THE PACIFIC RAILROAD
AND THE PACIFIC RAILROAD

COPY



WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-60.

No. J-28

Central Plant Repair Shop at Whirlpool

No. 20 (East Side)

Taken February 7th, 1922.

COPY

No. J-29

Central Plant Repair Shop at Whirlpool

No. 20 (North End East Side)

Taken February 9th, 1922.



Very truly yours,
J. Allan Rose.

Mr. J. Allan Rose



WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

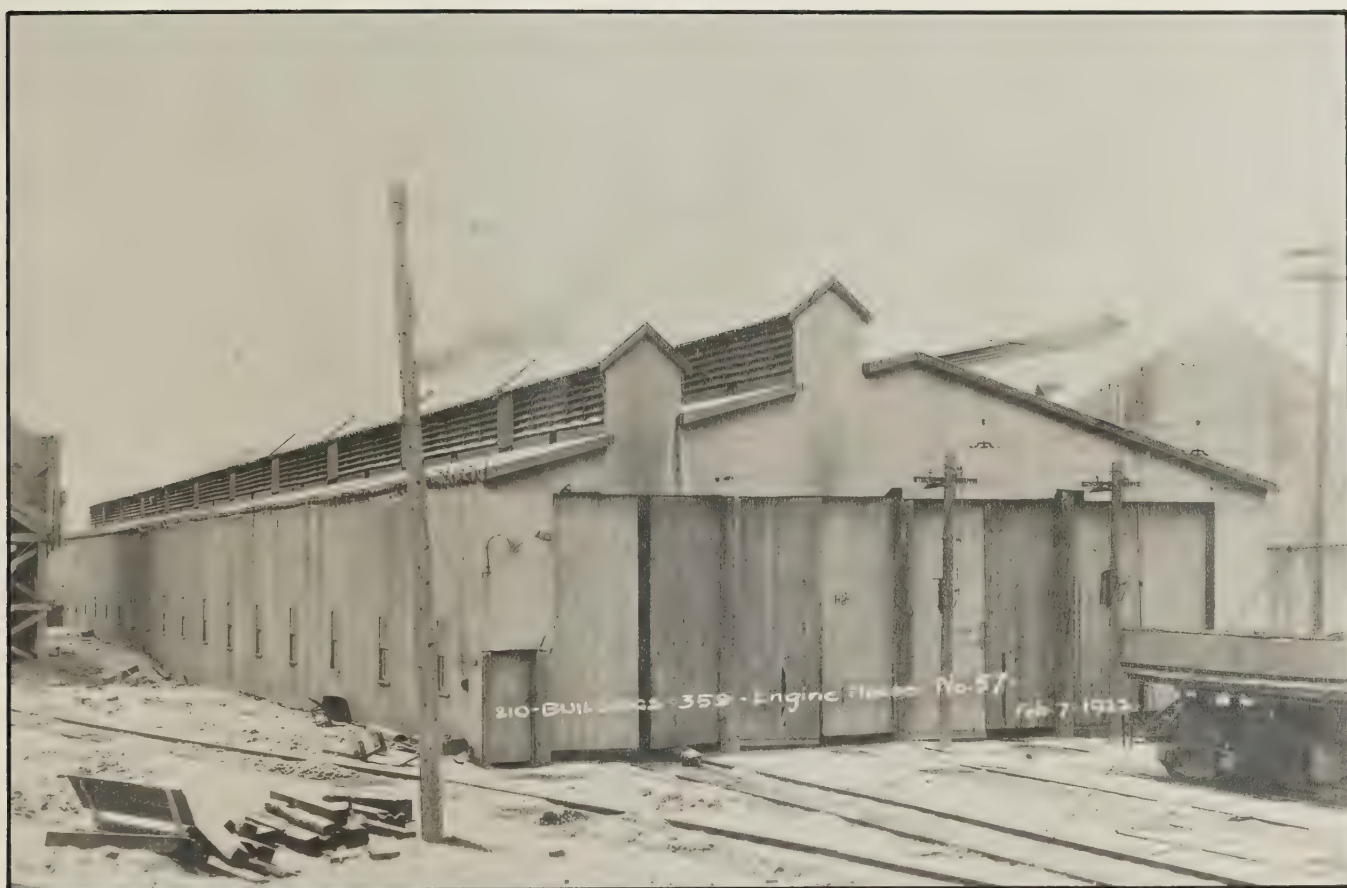
To face page J-61.

No. J-30

Locomotive House at Whirlpool

No. 57

Taken February 7th, 1922.





COPY



WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-62.

No. J-31

Car Repair Shop at Whirlpool

No. 191 (South End)

Taken February 7th, 1922.

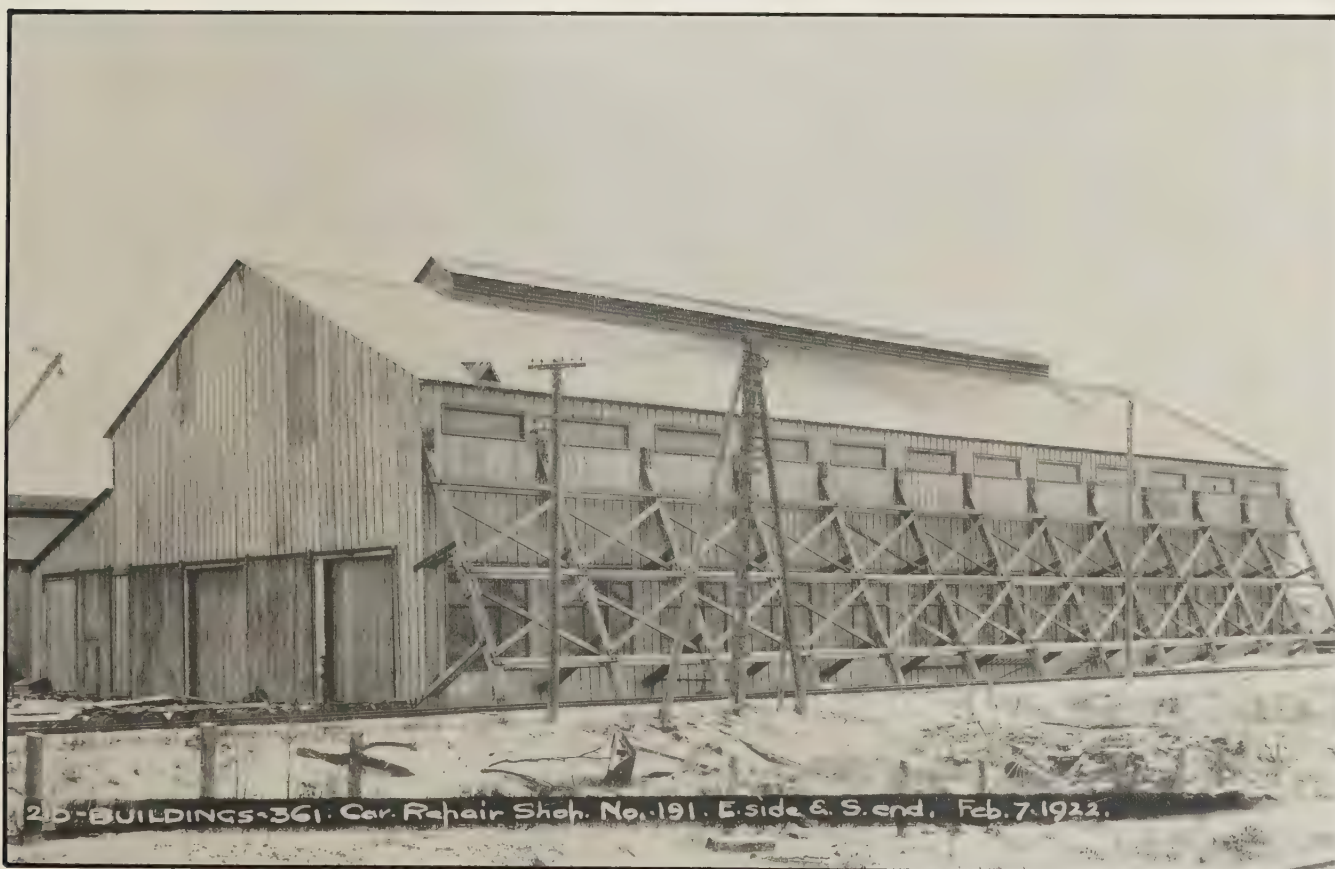
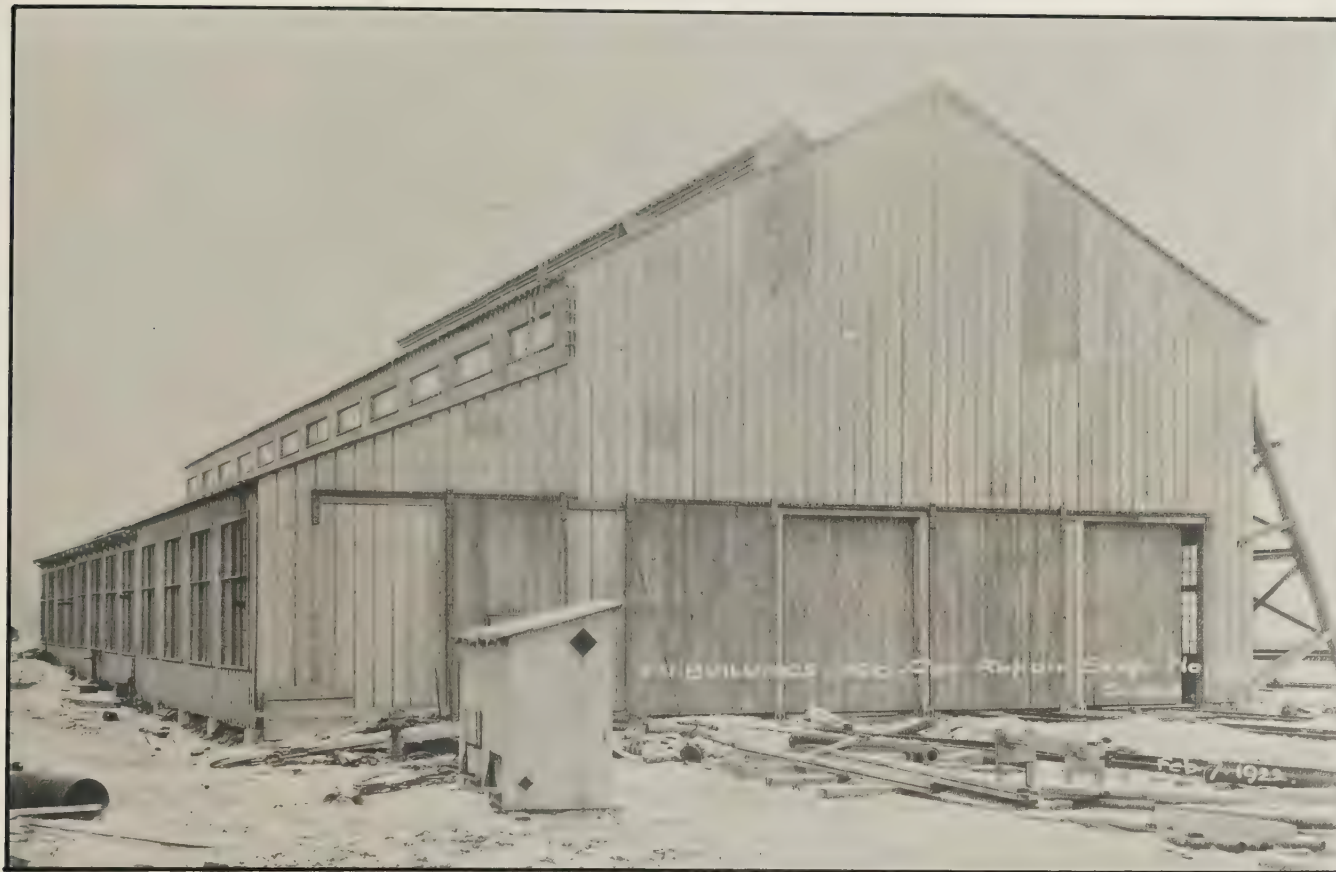
COPY

No. J-32

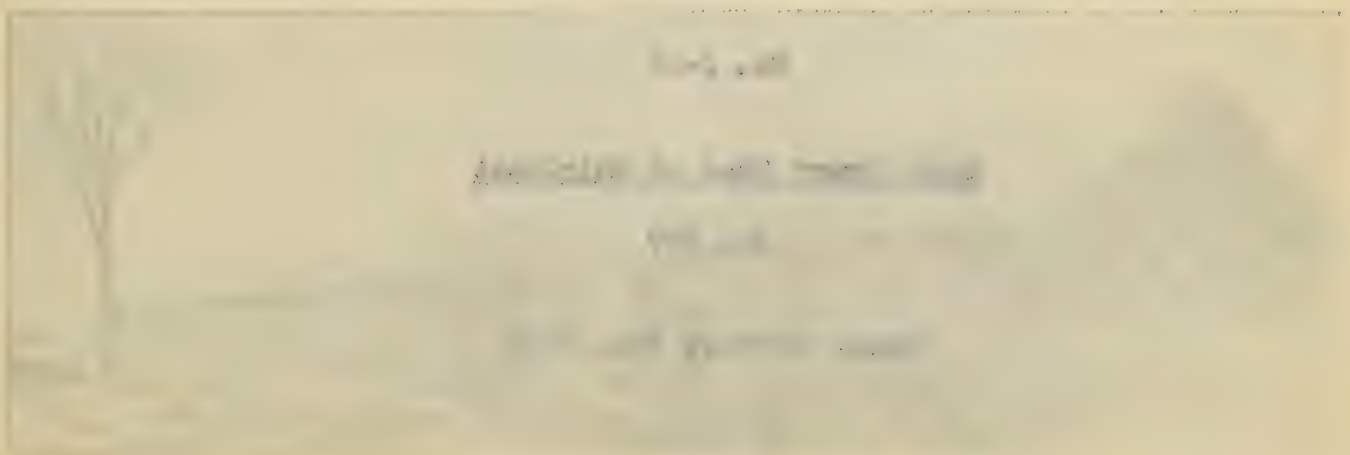
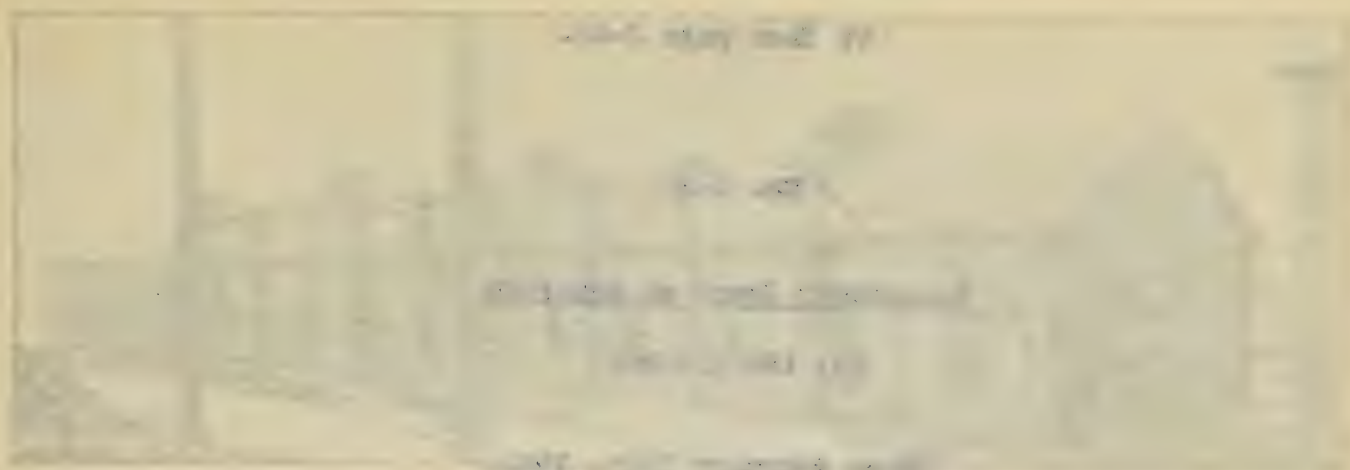
Car Repair Shop at Whirlpool

No. 191 (East Side & South End)

Taken February 7th, 1922.



20-BUILDINGS-361. Car. Repair Shop. No. 191. E. side & S. end. Feb. 7. 1922.



WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-65.

No. J-33

Compressor House at Montrose

No. 188 (Front)

Taken February 15th, 1922.

No. J-34

Compressor House at Montrose

No. 188 (Rear)

Taken March 1st, 1922.

No. J-35

Main Cement Shed at Whirlpool

No. 209

Taken February 9th, 1922.

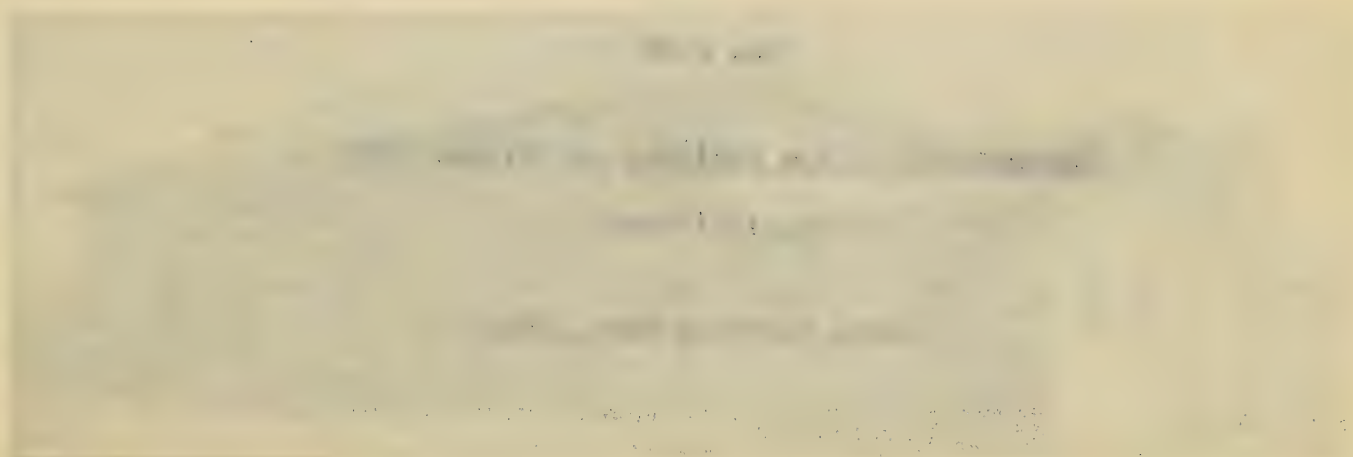


THE STATE OF WYOMING

IN SENATE, JANUARY 1, 1901.

REPORT

OF THE



WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-54.

No. J-36

Compressor House and Transformer Station at Whirlpool

No. 13 (Front)

Taken February 11th, 1922.

No. J-37

COPY

Compressor House and Transformer Station at Whirlpool

No. 13 (End)

Taken February 11th, 1922.

No. J-38

Engineering Office Building at Portage Road

No. 16 (Front)

Taken February 28th, 1922.





COPY



WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-65.

No. J-39

Interior of Sub-Station at Whirlpool

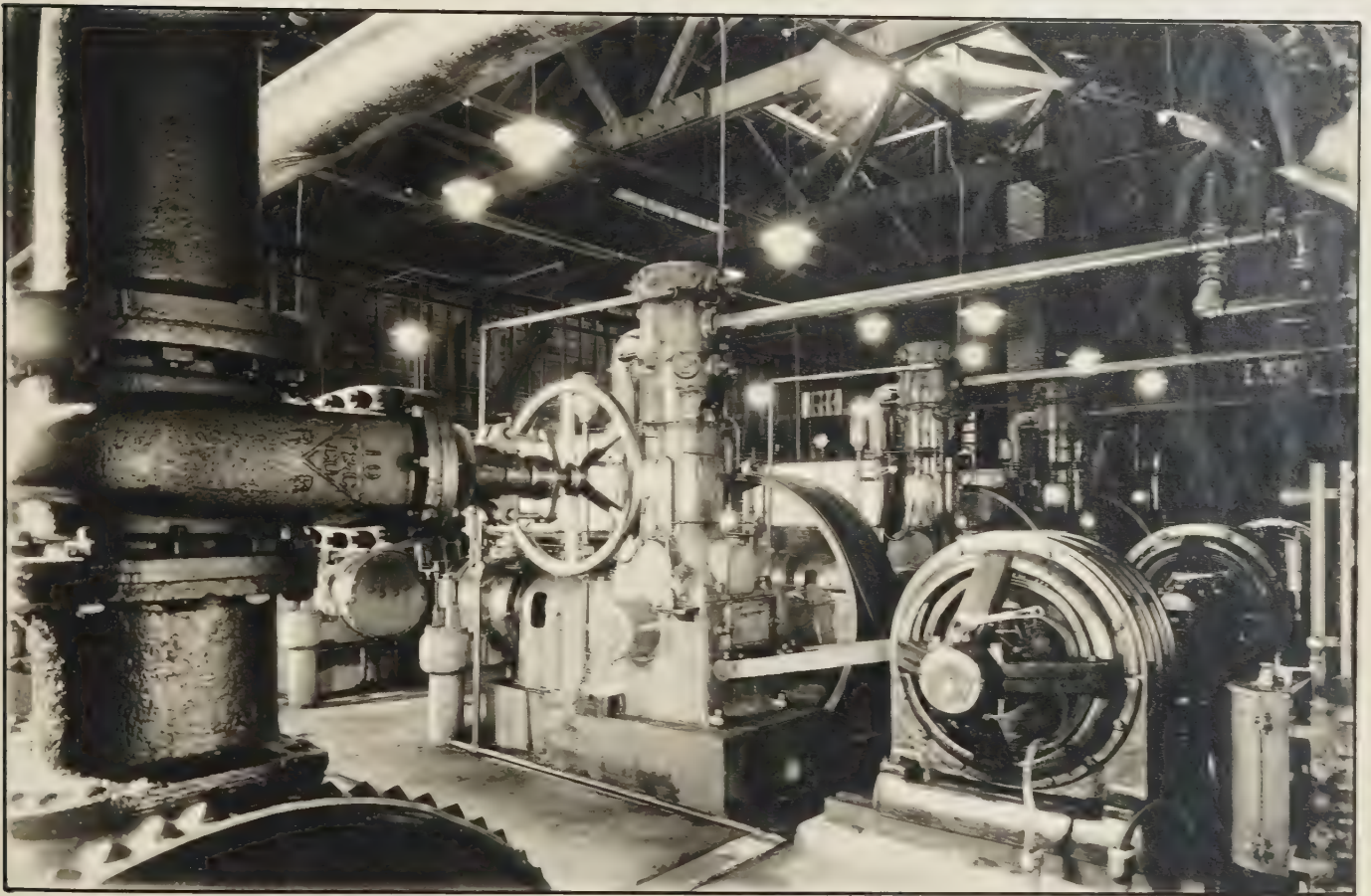
Taken March 7th, 1918.

COPY

No. J-40

Interior of Compressor Station at Whirlpool

Taken December 4th, 1919.



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COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

No. J-41

Miscellaneous Storage Building at Whirlpool

No. 120 (Front)

Taken February 9th, 1922.

No. J-42

Miscellaneous Storage Building at Whirlpool

No. 120 (Rear)

Taken February 9th, 1922.

No. J-43

Main Storage Building and Stores Office at Whirlpool

No. 11 (Front)

Taken March 1st, 1922.

No. J-44

Main Storage Building and Stores Office at Whirlpool

No. 11 (Rear)

Taken February 10th, 1922.



1890

To face page J-67.

No. J-45

Transformer Station No. 3 at Chippewa

No. 55 (Front)

Taken February 17th, 1922.

No. J-46

Transformer Station No. 3 at Chippewa

No. 56 (Rear)

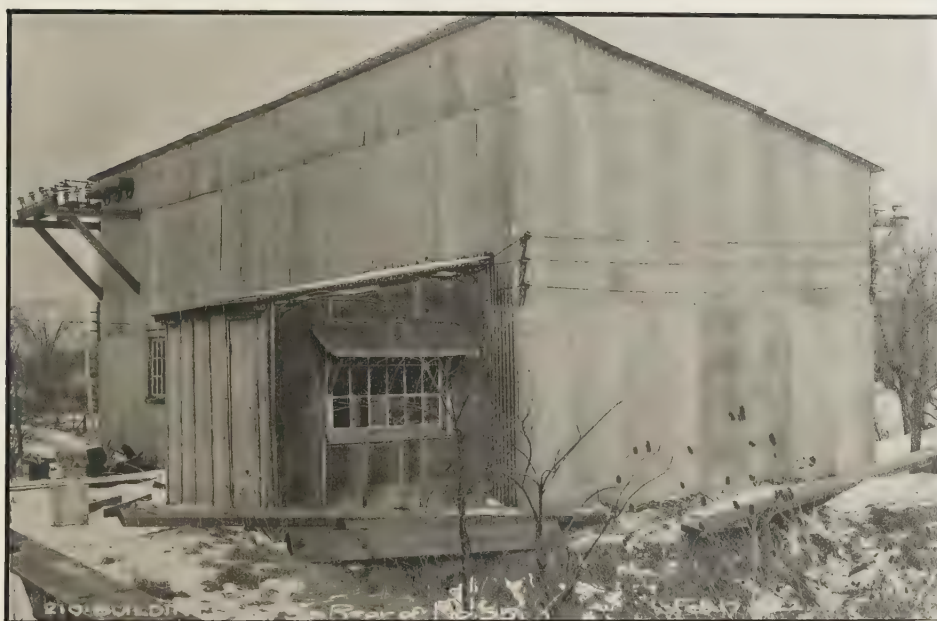
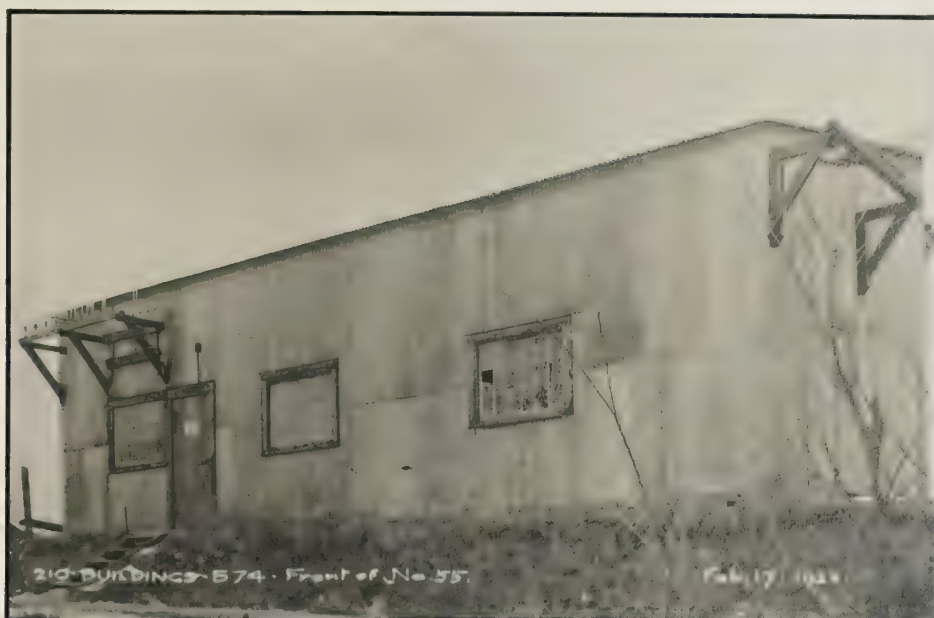
Taken February 17th, 1922.

No. J-47

Lineman's Storehouse at Whirlpool

No. 19

Taken February 11th, 1922.



THE NEW YORK



COPY



WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-68.

No. J-48

Interlocking Control Tower at Disposal Y at Whirlpool

Taken September 3rd, 1919.

COPY

No. J-49

Typical Water Tank at Lundy's Lane

Taken March 3rd, 1921.



THE BUILDING OF THE NEW YORK



COPY

WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-69.

No. J-50

Compressor Cooling Tower at Whirlpool

No. 54-11

Taken February 11th, 1922.

No. J-51

Watchman's Shanty

No. 54-73

Taken February 14th, 1922.

No. J-52

Portable Tool Shack

No. 54-91

Taken February 17th, 1922.

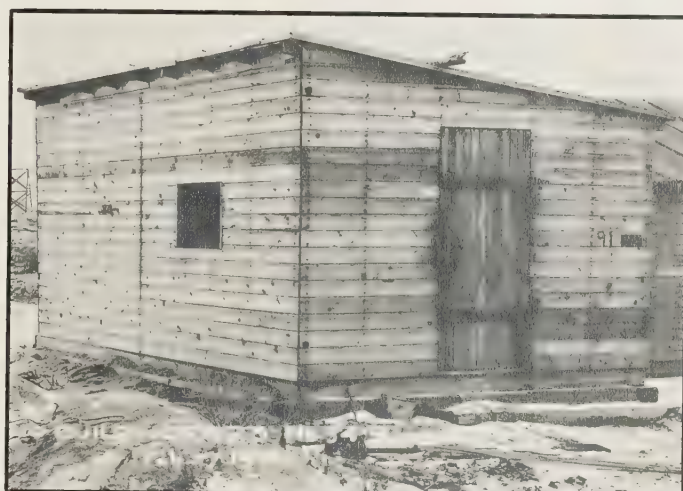
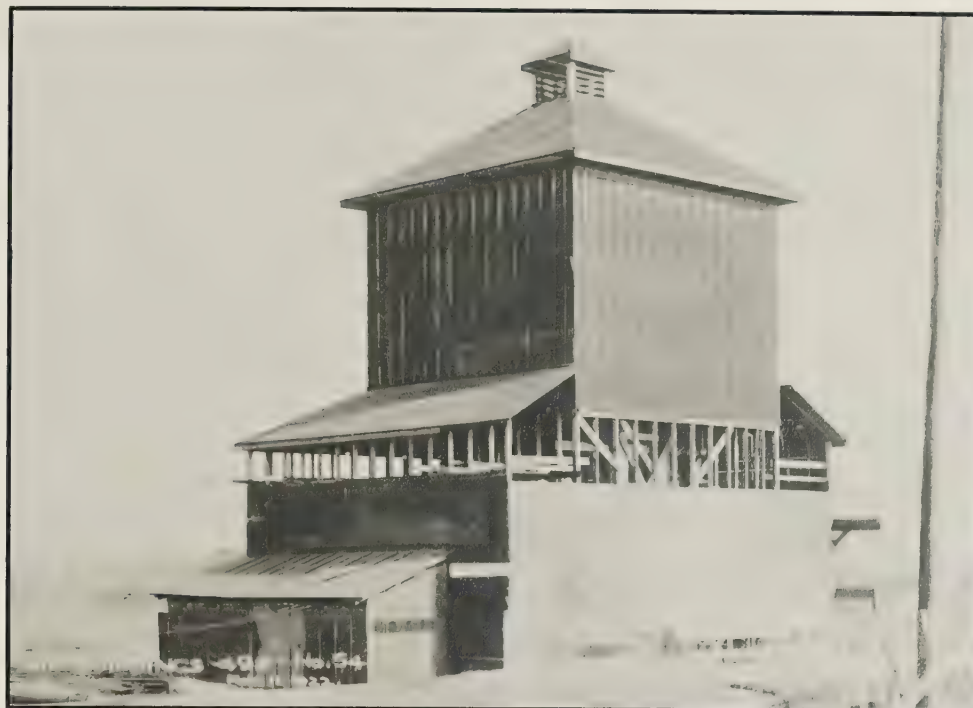
No. J-53

Water Tank No. 2 at Whirlpool

No. 54-14

Taken February 9th, 1922.

COPY





To face page J-70.

No. J-54

Watchman's Shanty

No. 90-10

Taken February 14th, 1922.

No. J-55

Pump Shack

No. 54-148

Taken March 1st, 1922.

No. J-56

Sand Drier House

No. 54-19

Taken February 9th, 1922.

No. J-57

Field Closets

No. 31

Taken February 26th, 1922.

No. J-58

Powder House

No. 54-180

Taken March 1st, 1922.

No. J-59

Tool House

No. 54-61

Taken February 14th, 1922.

COPY





To face page J-71.

No. J-60

Branch Storehouse

No. 54-44

Taken February 9th, 1922.

No. J-61

Branch Storehouse

No. 54-182

Taken February 14th, 1922.

No. J-62

Typical Outdoor Transformers

No. 54-10

Taken March 1st, 1922.

No. J-63

Portable Pump on Troy Waggon

No. 54-77

Taken February 9th, 1922.

No. J-64

Oil House

No. 54-214

Taken February 11th, 1922.

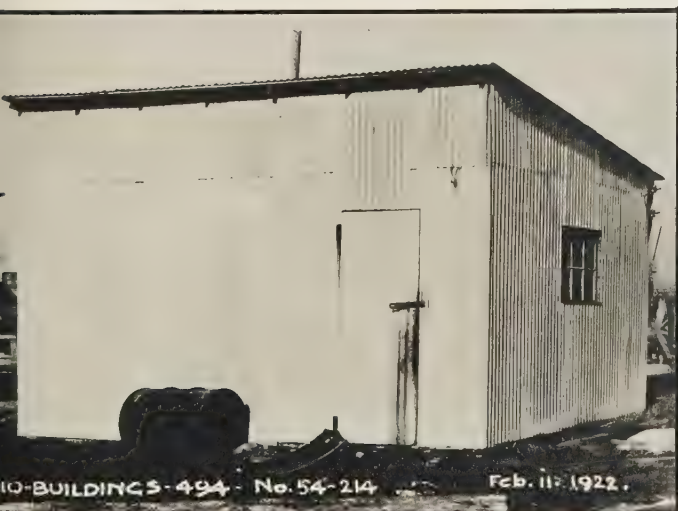
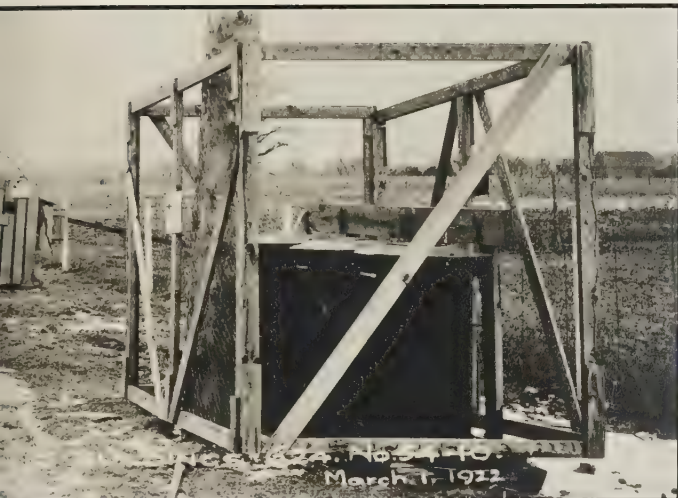
No. J-65

Portable Blacksmith Shop

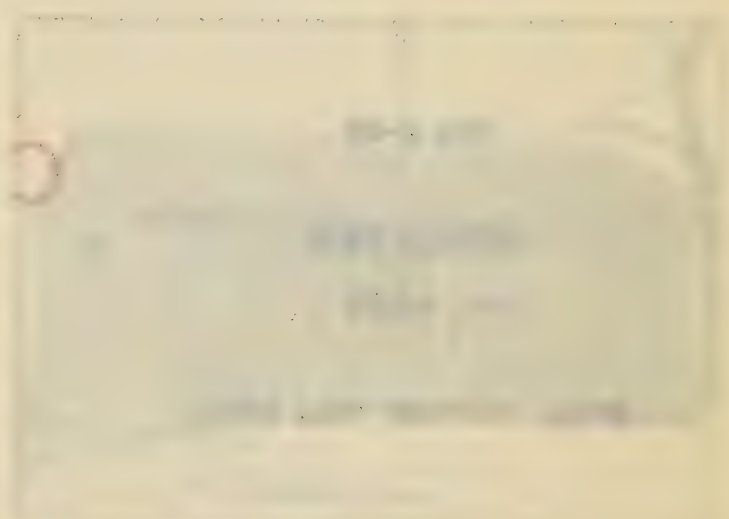
No. 54-119

Taken February 14th, 1922.

COPY



THE NATIONAL ARCHIVES



To face page J-72.

No. J-66

Oil House

No. 54-197

Taken February 9th, 1922.

No. J-67

Oil House

No. 54-216

Taken February 15th, 1922.

No. J-68

Waiting Room

No. 54-90

Taken February 8th, 1922.

No. J-69

Branch Storehouse

No. 54-83

Taken February 16th, 1922.

No. J-70

Transformer Shack

No. 54-42

Taken February 10th, 1922.

No. J-71

Garage

No. 54-126

Taken February 28th, 1922.

COPY





To face page J-73.

No. J-72

Foreman's Shanty

No. 54-107

Taken March 1st, 1922.

No. J-73

Oil House

No. 54-104

Taken February 14th, 1922.

No. J-74

Garbage Building

No. 54-210

Taken February 10th, 1922.

No. J-75

Gate Keeper's Shanty

No. 54-200

Taken March 1st, 1922.

No. J-76

Portable Dynamite Shack

No. 54-127

Taken February 28th, 1922.

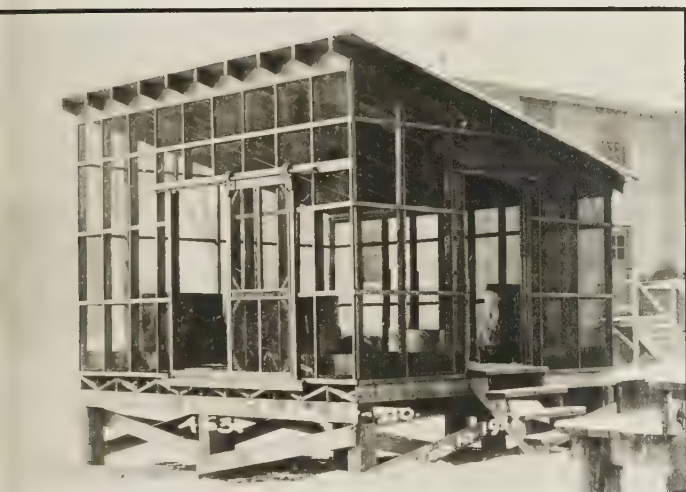
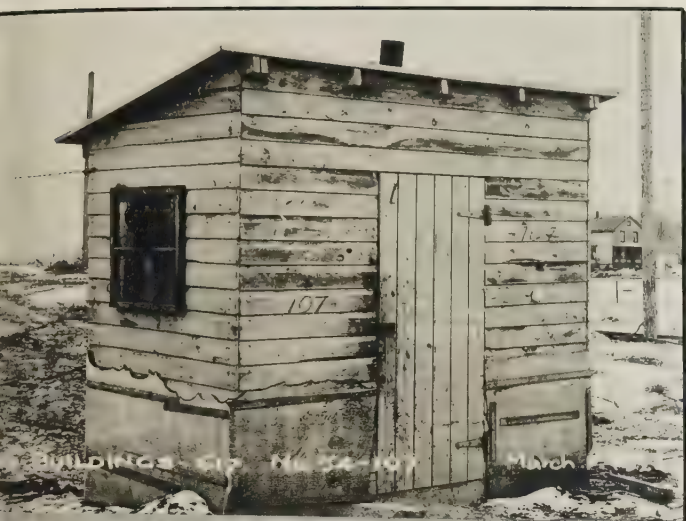
No. J-77

Sewage Disposal Pump House

No. 54-67

Taken February 28th, 1922.

COPY





WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

To face page J-74.

No. J-78

Transformer House

No. 54-55

Taken February 8th, 1922.

No. J-79

Portable Compressor House

No. 54-56

Taken February 21st, 1922.

No. J-80

Transformer House

No. 54-178

Taken February 21st, 1922.

No. J-81

Iron Rack

No. 54-16

Taken February 9th, 1922.

No. J-82

Electric Shovel Repair Parts

No. 54-143

Taken February 14th, 1922.

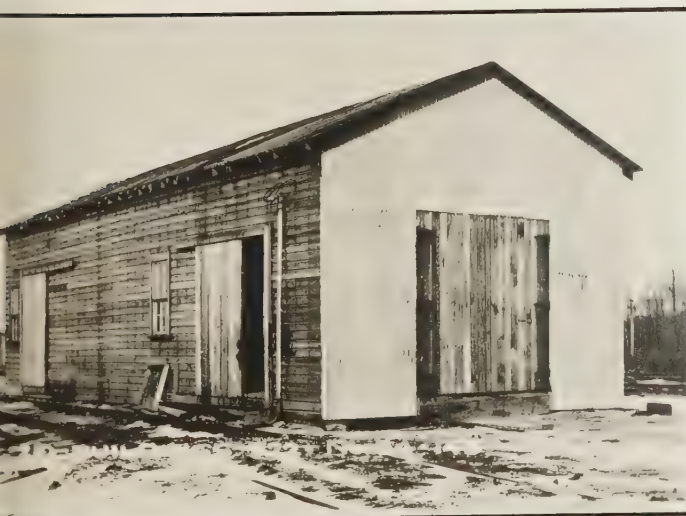
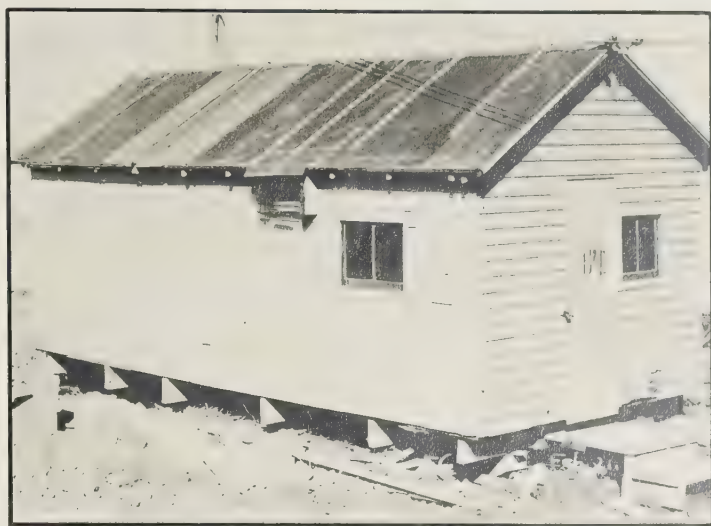
No. J-83

Lineman's Shack

No. 54-223

Taken February 17th, 1922.

COPY



THE GREAT WESTERN HOTEL



THE GREAT WESTERN HOTEL



THE GREAT WESTERN HOTEL



COPY



To face page J-75.

No. J-84

Iron Rack

No. 54-21

Taken February 26th, 1922.

No. J-85

Iron Rack

No. 54-21

Taken February 13th, 1922.

No. J-86

Signal Tower

No. 90-18

Taken February 10th, 1922.

COPY

No. J-87

Signal Tower

No. 90-19

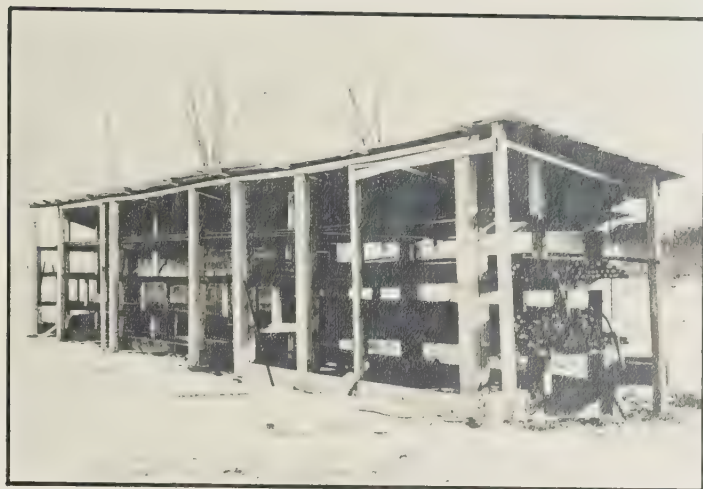
Taken February 13th, 1922.

No. J-88

Watchman's Shack

No. 54-185

Taken February 8th, 1922.



A List of the Temporary Buildings.

A complete list of the temporary buildings has been prepared from the records, and the table included herewith as pages J-77 to J-87 contains a summary of the available information regarding the buildings, all of which to the number of 507 have been included irrespective of cost or character. The table was prepared with the idea of listing all of the temporary structures in such a way as to permit of comparison of the principal features of the buildings, at the same time leaving out much detail information of minor importance contained in the numerous typewritten volumes in the files of the Hydro-Electric Power Commission of Ontario.

The table as a whole is grouped into yearly divisions as to construction. It is arranged so as to describe the buildings, one by one, by the official number in the first column, then the name or use in the second column, and in the next three columns the type of construction of the exterior walls, interior walls and roofing. The general dimensions of the buildings in feet are shown in the sixth column, while the cost of each structure is given in the seventh column. The column headed "Remarks" describes such features as the location of the building and its disposal, and a further note as to use or characteristics is added if not already indicated in sufficient detail. The "Remarks" column also contains references to the typical illustrations on pages J-48 to J-75 with photograph numbers indicated for convenience of reference.

Speaking generally, the acquired buildings are under the control of the Right-of-Way Department, while the other temporary buildings still come under the jurisdiction of the Department which erected them.

1-1-35

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Serial	Subject	Reference	Remarks
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LIST OF TEMPORARY

Building Number	Name or Use	Exterior Walls	Construction Interior Walls	Roofing	Built
1	Bank House	Board	Gumite	Corr. Iron	
2	Bank House	Tar Paper	Board	Tar Paper	
3	Bank House	Board	Gumite	Corr. Iron	
4	Powder House	Board	Board	Corr. Iron	
5	Bank House	Board	Gumite	Corr. Iron	
6	Cement Shed	-	-	-	
7	Bank House	Board	Gumite	Corr. Iron	
8	Bank House	Board	Gumite	Corr. Iron	
9	Bank House	Board	Gumite	Corr. Iron	
10	Blacksmith Shop	-	-	-	
11	Main Storehouse	Gumite	Board	Corr. Iron	
12	Div. Supt's Office	-	-	-	
13	Compressor and Transformer Station	Gumite	Board	Corr. Iron	
14	Horse Stable	Board	Board	Shingles	
15	Barn	Stone	Stone	-	
16	Engineering Office	Hvity. Sdg.	Beaver Board	Tar Paper	
17	Div. No. 4 Office	Hvity. Sdg.	Board	Tar Paper	
18	Barn Boss M. L.	Hvity. Sdg.	Board	-	
19	Lineman's Stores	Corr. Iron	Corr. Iron	Corr. Iron	
20	Central Plant Repair Shop	Gumite	Corr. Iron	Gumite	
21	General Stores	Tar Paper	Board	Corr. Iron	
22	Bank House	Board	Board	Corr. Iron	
23	Bank House	Board	Board	Corr. Iron	
24	Bank House	Board	Board	Corr. Iron	
25	Cement Shed	-	-	-	
26	Bank House	Board	Board	Corr. Iron	
27	Box Car Camp	Board	Board	Board	
28	Garage	Hvity. Sdg.	Board	Tar Paper	
29	Bank House	Board	Board	Corr. Iron	
30	Bank House	Board	Board	Corr. Iron	
31	Field Closet	Hvity. Sdg.	Board	Tar Paper	
32	Bank House	Board	Board	Corr. Iron	
33	Boarding Camp	-	-	-	
34	Oil House	Gumite	Board	Corr. Iron	
35	Shurges' Home	-	-	-	
36-A	Garage	Gumite	Board	Corr. Iron	
36-B	Speeder House	Hvity. Sdg.	Board	Tar Paper	
36-C	Tools and Spare Parts	Hvity. Sdg.	Board	Tar Paper	
36-D	Boiler House	Tar Paper	Board	Tar Paper	
37	Hospital	-	-	-	
37-A	Hospital Office	Board	Board	Tar Paper	
38	Coal Chute	Heavy Planking Throughout			

CONSTRUCTION BUILDINGS

Dimensions in feet	Cost	Remarks
In 1917		
33 x 42	\$ 1,937.32	Whirlpool Group. Foreign Labour.
12 x 18	327.95	Whirlpool Group. Foreign Labour.
35 x 42	1,937.32	Whirlpool Group. Foreign Labour.
16 x 32	2,335.99	Whirlpool Group.
35 x 42	1,937.32	Whirlpool Group. Foreign Labour.
-	-	Disassembled in Autumn of 1919.
35 x 42	1,937.32	Whirlpool Group. Foreign Labour.
33 x 42	1,937.32	Whirlpool Group. Foreign Labour.
35 x 42	1,937.32	Whirlpool Group. Foreign Labour.
-	-	Disassembled in Autumn of 1919.
51 x 266	\$31,139.62	Whirlpool Group. Photos. J-43 and J-44, Page J-66.
-	-	Purchased Building, Whirlpool Group.
In 1919		
50 x 163	\$31,889.41	Whirlpool Group. Photos. J-36 and J-37, Page J-64.
-	-	Purchased Building, Whirlpool Group.
-	-	Purchased Building. Sold.
36 x 97	-	Portage Road. Photo. J-38, Page J-64.
24 x 26	3,309.99	Lower House Group.
-	-	Purchased Frame House. Now Rented.
32 x 44	2,534.00	Whirlpool Group. Photo. J-47, Page J-67.
109 x 279	\$53,066.93	Whirlpool Group. Photographs on Page J-69.
18 x 40	1,391.51	Lower House Group.
30 x 38	1,592.26	Lower House Group.
30 x 38	1,592.26	Lower House Group.
30 x 38	1,592.26	Lower House Group.
-	-	Demolished in Autumn 1919.
22 x 41	1,592.26	Whirlpool Group. Foreign Labour.
-	-	Box Car. Demolished in Spring 1919.
51 x 76	6,557.78	Portage Road Group.
23 x 41	1,592.26	Whirlpool Group. Photo. J-6, Page J-49.
23 x 41	1,592.26	Whirlpool Group. Foreign Labour.
-	94.50	100 built. Various Locations. Photo. J-57.
30 x 38	1,592.26	Lower House Group.
-	-	Burned in June, 1920. For Mixed Labour.
25 x 60	1,724.23	Whirlpool Group.
-	-	Purchased House. Now Rented. Portage Road.
39 x 49	4,495.05	Whirlpool Group.
12 x 39	-	Extension to 36-A.
10 x 12	-	Extension to 36-A.
10 x 24	-	Extension to 36-A.
-	-	Purchased House. Now Rented.
14 x 19	-	Extension to 37.
18 x 22	3,231.54	Whirlpool Group.

Report of the Director of the Bureau of the Census

1. General information	2. Detailed information	3. Summary information
1.1 Name of the establishment	2.1 Name of the establishment	3.1 Name of the establishment
1.2 Address of the establishment	2.2 Address of the establishment	3.2 Address of the establishment
1.3 Date of the report	2.3 Date of the report	3.3 Date of the report
1.4 Name of the person reporting	2.4 Name of the person reporting	3.4 Name of the person reporting
1.5 Name of the person receiving	2.5 Name of the person receiving	3.5 Name of the person receiving
1.6 Name of the person reporting	2.6 Name of the person reporting	3.6 Name of the person reporting
1.7 Name of the person receiving	2.7 Name of the person receiving	3.7 Name of the person receiving
1.8 Name of the person reporting	2.8 Name of the person reporting	3.8 Name of the person reporting
1.9 Name of the person receiving	2.9 Name of the person receiving	3.9 Name of the person receiving
1.10 Name of the person reporting	2.10 Name of the person reporting	3.10 Name of the person reporting
1.11 Name of the person receiving	2.11 Name of the person receiving	3.11 Name of the person receiving
1.12 Name of the person reporting	2.12 Name of the person reporting	3.12 Name of the person reporting
1.13 Name of the person receiving	2.13 Name of the person receiving	3.13 Name of the person receiving
1.14 Name of the person reporting	2.14 Name of the person reporting	3.14 Name of the person reporting
1.15 Name of the person receiving	2.15 Name of the person receiving	3.15 Name of the person receiving
1.16 Name of the person reporting	2.16 Name of the person reporting	3.16 Name of the person reporting
1.17 Name of the person receiving	2.17 Name of the person receiving	3.17 Name of the person receiving
1.18 Name of the person reporting	2.18 Name of the person reporting	3.18 Name of the person reporting
1.19 Name of the person receiving	2.19 Name of the person receiving	3.19 Name of the person receiving
1.20 Name of the person reporting	2.20 Name of the person reporting	3.20 Name of the person reporting

1971-72

1. General information	2. Detailed information	3. Summary information
1.1 Name of the establishment	2.1 Name of the establishment	3.1 Name of the establishment
1.2 Address of the establishment	2.2 Address of the establishment	3.2 Address of the establishment
1.3 Date of the report	2.3 Date of the report	3.3 Date of the report
1.4 Name of the person reporting	2.4 Name of the person reporting	3.4 Name of the person reporting
1.5 Name of the person receiving	2.5 Name of the person receiving	3.5 Name of the person receiving
1.6 Name of the person reporting	2.6 Name of the person reporting	3.6 Name of the person reporting
1.7 Name of the person receiving	2.7 Name of the person receiving	3.7 Name of the person receiving
1.8 Name of the person reporting	2.8 Name of the person reporting	3.8 Name of the person reporting
1.9 Name of the person receiving	2.9 Name of the person receiving	3.9 Name of the person receiving
1.10 Name of the person reporting	2.10 Name of the person reporting	3.10 Name of the person reporting
1.11 Name of the person receiving	2.11 Name of the person receiving	3.11 Name of the person receiving
1.12 Name of the person reporting	2.12 Name of the person reporting	3.12 Name of the person reporting
1.13 Name of the person receiving	2.13 Name of the person receiving	3.13 Name of the person receiving
1.14 Name of the person reporting	2.14 Name of the person reporting	3.14 Name of the person reporting
1.15 Name of the person receiving	2.15 Name of the person receiving	3.15 Name of the person receiving
1.16 Name of the person reporting	2.16 Name of the person reporting	3.16 Name of the person reporting
1.17 Name of the person receiving	2.17 Name of the person receiving	3.17 Name of the person receiving
1.18 Name of the person reporting	2.18 Name of the person reporting	3.18 Name of the person reporting
1.19 Name of the person receiving	2.19 Name of the person receiving	3.19 Name of the person receiving
1.20 Name of the person reporting	2.20 Name of the person reporting	3.20 Name of the person reporting

LIST OF TEMPORARY

Building Number	Name or Use	Exterior Walls	Construction Interior Walls	Roofing
50	Div. No. 2 Office	-	-	-
50-1	Kitchen	Wvity. Sdg.	Board	Tar Paper
40	Hospital Barn	Board	Board	Shingles
41	Hospital Barn	Board	Board	Shingles
42	Temp. Storehouse	Tar Paper	Board	Tar Paper
43	Sand Hopper	-	-	-
44	Incinerator	-	-	-
45	Crusher Plant	-	-	-
46	Barn	-	-	-
47	House	-	-	-
48	House	-	-	-
49	Incinerator	-	-	-
50	House	-	-	-
51	House	-	-	-
52	Horse Barns	Wvity. Sdg.	Board	Corr. Iron
53	Bank House	Wvity. Sdg.	Board	Tar Paper
54-1	Filing Shack	Corr. Iron	-	-
54-2	Store Shack	-	-	-
54-3	Garage	-	-	-
54-4	Hose Houses	Board	Board	Tar Paper
54-5	Iron Racks	Open Timber Frame	-	Corr. Iron
54-6	Storehouse	-	-	-
54-7	Blasting Shack	-	-	-
54-8	General Purposes	-	-	-
54-9	Pumphouse Shack	-	-	-
54-10	Guard Fences, Transformers	Chicken Wire	-	None
54-11	Camp Cooling Tower	Tar Paper	Board	Tar Paper
54-12	Sand Hoppers	-	-	-
54-13	Store Shack	-	-	-
54-14	Water Tank No. 2 Cover	Tar Paper	Board	Tar Paper
54-15	Coal Hoist Shanty	-	-	-
54-16	Iron Rack	Board	Board	Corr. Iron
54-17	Water Tank Cover	-	-	-
54-18	Foreman's Office	Tar Paper	Board	Tar Paper
54-19	Sand Drier House	Wvity. Sdg.	Board	Tar Paper
54-20	Store Shack	-	-	-
54-21	Iron Rack	Heavy Timber	-	Board
54-22	Pumphouse Shack	-	-	-
54-23	Ramp Cover	-	-	-
54-24	Car Repair Shack	-	-	-
54-25	Lineman's Shack	-	-	-
54-26	Sand Drier House	Tar Paper	Board	Tar Paper
54-27	Water Tank Cover	Tar Paper	Board	Tar Paper
54-28	Water Tank Cover	Tar Paper	Board	Tar Paper
54-29	Storehouse	Tar Paper	Board	Tar Paper
54-30	Speeder House	Tar Paper	Board	Tar Paper

CONSTRUCTION BUILDINGS

Dimensions in feet		Cost	Remarks
in 1918 (continued)			
-	.....	\$ -	..... Purchased Building on Portage Road.
10 x 20	.....	\$ -	..... Extension to 30.
-	.....	\$ -	..... Purchased Barn.
-	.....	\$ -	..... Purchased Barn, Portage Road.
30 x 40	.....	\$ 960.00	..... Whirlpool Group.
-	.....	\$ -	..... Dismantled, Autumn 1919.
-	.....	\$ 612.22	..... Whirlpool Group.
-	.....	\$ -	..... Lower House Group.
-	.....	\$ -	..... Purchased Barn, now rented.
-	.....	\$ -	..... Purchased Building, now rented, Portage Road.
-	.....	\$ -	..... Purchased Building, now rented, Portage Road.
-	.....	\$ 1,004.67	..... Lower House Group.
-	.....	\$ -	..... Purchased House. Burned.
-	.....	\$ -	..... Purchased House, now rented.
23 x 36	.....	\$ 1,400.00	..... Lower House Group.
20 x 40	.....	\$ 825.94	..... Chippewa Group, now rented.
-	.....	\$ -	..... Sold in 1919. Portage Road.
-	.....	\$ -	..... Dismantled, 1921.
-	.....	\$ -	..... Sold, Autumn 1921.
4 x 8	.....	\$ -	..... Various locations. Total cost \$1,056.00.
18 x 21	.....	\$ 850.00	..... Whirlpool Group.
-	.....	\$ -	..... Dismantled September, 1921. Whirlpool Group.
-	.....	\$ -	..... H.S. & T.Rly. Dismantled December, 1921.
-	.....	\$ -	..... Whirlpool Group. Dismantled September, 1920.
-	.....	\$ -	..... Wabash Bridge. Burned September, 1920.
-	.....	\$ -	..... Various locations. Total cost \$1,565.00. Photo. J-62
35 x 44	.....	\$ 1,189.59	..... Whirlpool Group. Photo. J-50, Page J-69.
4 x 6	.....	\$ 239.65	..... Various locations. Dismantled.
-	.....	\$ -	..... Whirlpool Group. Dismantled September, 1920.
16 x 16	.....	\$ 500.00	..... Whirlpool Group. Photo. J-55, Page J-69.
-	.....	\$ -	..... Transferred to Plant List 1919.
10 x 20	.....	\$ 349.50	..... Whirlpool Group. Photo. J-61, Page J-74.
-	.....	\$ -	..... Sold, January, 1922.
12 x 12	.....	\$ 211.55	..... Whirlpool Group. Dismantled, 1922.
12 x 16	.....	\$ 276.96	..... Whirlpool Group. Photo. J-56, Page J-70.
-	.....	\$ -	..... H.S. & T.Rly. Dismantled August, 1919.
8 x 35	.....	\$ 210.00	..... H.S. & T.Rly. for bridge erection. Photos. J-64-65.
-	.....	\$ -	..... H.S. & T.Rly. Dismantled September, 1920.
-	.....	\$ -	..... H.S. & T.Rly. Dismantled February, 1919.
-	.....	\$ -	..... Whirlpool Group. Dismantled October, 1921.
-	.....	\$ -	..... Whirlpool Group. Dismantled March, 1921.
21 x 45	.....	\$ 629.65	..... Whirlpool Group. Afterwards Carpenter Shop.
10' Octagonal	...	\$ 589.51	..... Whirlpool Group.
-	.....	\$ -	..... Whirlpool Group. Dismantled.
8 x 16	.....	\$ 225.00	..... Whirlpool Group.
9 x 36	.....	\$ 306.51	..... Whirlpool Group. Dismantled September, 1920.
Called Foreman's Office.			

7900

LIST OF TEMPORARY

Building Number	Name or Use	Interior Walls	Construction Interior Walls	Roofing	Built
54-31	General Purposes	-	-	-	-
54-32	Pump House on Scow	-	-	-	-
54-33	Tool House	Tar Paper	Board	Tar Paper	-
54-34	Pump House	-	-	-	-
54-35	Lineman's Shack	Tar Paper	Board	Tar Paper	-
54-36	Transformer House	Corr. Iron	Board	Corr. Iron	-
54-37	Pattern House	-	-	-	-
54-38	Shack over Motor	-	-	-	-
54-39	Iron Rack	Open Timber Framework	-	Corr. Iron	-
54-40	Lumber Yard Office	Tar Paper	Board	Tar Paper	-
54-41	Hoist Housing	-	-	-	-
54-42	Transformer Shack	Corr. Iron	Board	Corr. Iron	-
54-43	Pump House	-	-	-	-
54-44	Branch Storehouse	Board	Board	Tar Paper	-
54-45	Garage	Wvly. Sdg.	Board	Tar Paper	-
54-46	Blacksmith Shop	Corr. Iron	Board	Tar Paper	-
54-47	Blacksmith Shop No. 1	Board	Board	Tar Paper	-
54-48	Pipe Shop Racks	Open Timber Framework	-	Corr. Iron	-
54-49	Coal Hopper	Heavy Timber	-	-	-
54-50	Water Motor House	Tar Paper	Board	Tar Paper	-
54-51	Pump House	Wvly. Sdg.	Board	Tar Paper	-
54-52	Blacksmith Shop No. 2	Board	Board	Tar Paper	-
54-53	Railway Repairs	Tar Paper	Board	Tar Paper	-
54-54	Pump House	-	-	-	-
54-55	Misc. Pump Shacks	Board	Board	Tar Paper	-
54-56	Compressor House	Wvly. Sdg.	Board	Tar Paper	-
54-57	Powder Thawing	-	-	-	-
54-58	Blasting Shack	-	-	-	-
54-59	Oil House	-	-	-	-
54-60	Shelter	-	-	-	-
54-61	Tool House	Board	Board	Tar Paper	-
54-62	Tool House	Board	Board	Tar Paper	-
54-63	Water Tank Cover	Tar Paper	Board	Tar Paper	-
54-64	Stairway	-	-	-	-
54-65	Tool House	Board	Board	Tar Paper	-
54-66	Incinerator	Wvly. Sdg.	Board	Corr. Iron	-
54-67	Pump House	Tar Paper	Board	Tar Paper	-
54-68	Misc. Storage	Wvly. Sdg.	Board	Tar Paper	-
54-69	Pump Houses	Wvly. Sdg.	Board	Tar Paper	-
54-70	Pump House	Board	Board	Tar Paper	-
54-71	Pipofitter's Shack	Board	Board	Tar Paper	-
54-72	Coal Chute	Heavy Timber Throughout	-	-	-

CONSTRUCTION BILLINGS

Dimensions in feet		Cost	Remarks
in 1918 (continued)			
-	.....	-	.... Whirlpool Group. Dismantled June, 1919.
-	.....	-	.... Dismantled June, 1919.
7 x 12	.....	135.14	.... Power House. Later used as Store House.
-	.....	-	.... Whirlpool Group. Dismantled September, 1920.
9 x 12	.....	154.31	.... Main Disposal Group.
18 x 36	.....	457.59	.... Power House Group. Photo.J-75, Page J-74.
-	.....	-	.... Whirlpool Group. Dismantled March, 1921.
-	.....	-	.... Dismantled Summer 1919.
6 x 18	.....	675.00	.... Whirlpool Group.
-	.....	-	.... Whirlpool Group.
-	.....	-	.... Whirlpool Group. Dismantled Autumn 1919.
9 x 16	.....	120.00	.... Whirlpool Group. Photo.J-73, Page J-72.
in 1919			
6 x 18	.....	1,374.00	.... Power House Group.
12 x 24	.....	335.00	.... Whirlpool Group. Photo.J-60, Page J-71.
12 x 20	.....	258.34	.... Whirlpool Group. For Master Mechanic.
20 x 32	.....	1,463.23	.... Various locations. (Portable).
20 x 32	.....	1,500.00	.... Various locations. (Portable).
12 x 20	.....	386.87	.... Chippewa Group.
20 x 20	.....	386.80	.... Below Bank. Power House Group.
4 x 6	.....	45.09	.... Whirlpool Group.
12 x 39	.....	400.00	.... Power House Group.
20 x 32	.....	1,600.00	.... Various locations. (Portable). Dismantled Dec. 1921.
12 x 20	.....	240.00	.... Whirlpool Group. Originally a Storehouse.
-	.....	-	.... Whirlpool Group. Dismantled.
-	.....	-	.... Various locations. Total cost \$900. Dismantled.
12 x 20	.....	430.00	.... Chippewa Group (Portable). Photo.J-79, Page J-74.
-	.....	-	.... Power House Group. Dismantled December, 1921.
-	.....	-	.... Whirlpool Group. Dismantled February, 1921.
9 x 9	.....	110.00	.... Power House Group. Originally Straw Storage House.
-	.....	-	.... Lundys Lane. Knew down in December, 1921.
8 x 10	.....	110.00	.... Lundys Lane. Photo.J-59, Page J-73.
9 x 9	.....	95.00	.... Whirlpool Group.
10' Octagonal	...	650.00	.... Power House Group. Water Tank No.12.
575 Steps	.....	-	.... Power House Group.
9 x 9	.....	95.00	.... Montross Group. For Biggers.
10 x 10	.....	-	.... Various locations.
10 x 18	.....	275.00	.... Sewage Disposal. Whirlpool Group. Photo. J-77.
14 x 30	.....	500.00	.... Tools & Storage. Whirlpool Group.
8 x 10	.....	660.00	.... Six Portable Pump Houses at various locations.
10 x 18	.....	875.00	.... Portable Pump House. Whirlpool Group.
10 x 20	.....	280.00	.... Piping at the Chippewa Intake.
3 x 250	.....	-	.... Erected at the Power House, part of 54-49.

WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

LIST OF TEMPORARY

Building Number	Name or Use	Interior Walls	Construction Interior Walls	Roofing	Built
54-73	Watchman's Shanty	Hvity.Sdg.	Board	Tar Paper	
54-74	Guard Shanty	Hvity.Sdg.	Board	Tar Paper	
54-75	General Purposes	Board	Board	Tar Paper	
54-76	Pipefitter's Shack	Hvity.Sdg.	Board	Tar Paper	
54-77	Ramp House	Tar Paper	Board	Tar Paper	
54-78	General Purposes	Hvity.Sdg.	Board	Tar Paper	
54-79	Camp Coal Bins	Board	Board	Board Cov	
54-80	Riggers' Shack	Tar Paper	Board	Tar Paper	
54-81	Tool Shack	-	-	-	
54-82	Pipefitters' Shack	Hvity.Sdg.	Board	Tar Paper	
54-83	Branch Storehouse	Tar Paper	Board	Tar Paper	
54-84	Tool Shanty	Board	Board	Tar Paper	
54-85	Tool Shanty	Hvity.Sdg.	Board	Tar Paper	
54-86	Small Office	Hvity.Sdg.	Board	Tar Paper	
54-87	Box Car Top	Old Box Car			
54-88	Drill Repairs	Old Street Railway Car			
54-89	Compressor House	Hvity.Sdg.	Board	Tar Paper	
54-90	Waiting Room	Hvity.Sdg.	Board	Tar Paper	
54-91	Tool Shack	Hvity.Sdg.	Board	Tar Paper	
54-92	Water Tank Covering	Board	Board	Tar Paper	
54-93	Water Tank	Board	Board	Tar Paper	
54-94	Pump Houses	Board	Board	Tar Paper	
54-95	Cement Shed	-	-	-	
54-96	Engineers' Shack	Board	Board	Board	
54-97	Portable Shelter	Tar Paper	Board	Tar Paper	
54-98	Tool House	Tar Paper	Hvity.Sdg.	Tar Paper	
54-99	Pump House	-	-	-	
54-100	Compressor House	-	-	-	
54-101	Portable Shelter	Hvity.Sdg.	Board	Tar Paper	
54-102	Portable Shelter	Hvity.Sdg.	Board	Board	
54-103	Gas and Oil House	Hvity.Sdg.	Board	Tar Paper	
54-104	Oil House	Corr.Iron	Corr.Iron	Corr.Iron	
54-105	Linemen's Shack	Tar Paper	Board	Tar Paper	
54-106	Oil House	Tar Paper	Board	Tar Paper	
54-107	Foreman's Shanty	Hvity.Sdg.	Board	Tar Paper	
54-108	Ramp House	Hvity.Sdg.	Board	Tar Paper	
54-109	Fuse Cap House	-	-	-	
54-110	Carpenters' Shanty	Hvity.Sdg.	Board	Tar Paper	
54-111	Launch and Shear House	Hvity.Sdg.	Board	Tar Paper	
54-112	Misc. Stores	Hvity.Sdg.	Board	Tar Paper	
54-113	Tool Shack	Hvity.Sdg.	Board	Tar Paper	
54-114	Foreman's Shack	-	-	-	

CONSTRUCTION BUILDINGS

Dimensions in feet		Cost	Remarks
In 1919 (continued)			
10 x 12	.....	\$ 160.00	..... Landys Lane. Photo.J-51, Page J-59.
8 x 10	.....	\$ 135.00	..... Winery Road Bridge Watchman.
8 x 12	.....	\$ 140.00	..... General Utility Shack at Montrose.
8 x 10	.....	\$ 135.00	..... Montrose Group.
4 x 8	.....	\$ 55.00	..... On wagon, illustrated by J-65, Page J-71.
10 x 24	.....	\$ 280.00	..... Chippawa Creek Road for M.C.R. Bridge material.
4 x 8	.....	\$ 650.00	..... Ten, erected at small camps for Foreign labour.
In 1920			
8 x 10	.....	\$ 135.00	..... Storage of Ropes & Cables. Whirlpool Group.
-	.....	-	..... Dismantled September, 1921. (Portable).
10 x 12	.....	\$ 160.00	..... At Montrose Sub-station. Montrose Group.
12 x 25	.....	\$ 450.00	..... Montrose Group. Illustrated Photo.J-69, Page J-72.
12 x 16	.....	\$ 280.00	..... Chippawa Group.
12 x 16	.....	\$ 280.00	..... Disposal "Y", Whirlpool Group.
8 x 10	.....	\$ 135.00	..... Disposal "Y", Whirlpool Group.
-	.....	-	..... Whirlpool Group. Maintenance Work. Dismantled.
-	.....	-	..... Whirlpool Group. Drill Repair Parts.
8 x 16	.....	\$ 200.00	..... Housing for portable compressor.
9 x 15	.....	\$ 200.00	..... Lower House Group. Photo.J-66, Page J-72.
12 x 16	.....	\$ 300.00	..... Portable. See Photo.J-52, Page J-59.
7 x 18	.....	\$ 250.00	..... Pump Housing. Montrose Group.
8 x 12	.....	\$ 700.00	..... Water Tank No.14. Lower House Group.
3 x 10	.....	\$ 90.00	..... Portable Pump House used in various locations.
-	.....	-	..... Dismantled February, 1921.
6 x 8	.....	\$ 115.00	..... Used by Engineers in Queenston Vicinity.
6 x 10	.....	\$ 150.00	..... Shelter for men in wet weather.
10 x 12	.....	\$ 500.00	..... Whirlpool Group. Used at the Garage.
-	.....	-	..... Montrose. Used in connection with Sub-station.
-	.....	-	..... Various locations. Dismantled January, 1922.
6 x 8	.....	\$ 90.00	..... Shelter at north end Victoria Street Bridge.
6 x 8	.....	\$ 90.00	..... Shelter at south end Victoria Street Bridge.
6 x 6	.....	\$ 75.00	..... Portable Type, used in various locations.
16 x 18	.....	\$ 450.00	..... Main Disposal Group. Photo.J-73, Page J-73.
8 x 12	.....	\$ 150.00	..... Main Disposal Group.
6 x 15	.....	\$ 140.00	..... Main Disposal Group.
6 x 8	.....	\$ 90.00	..... Shown on Photo.J-72, Page J-73.
6 x 6	.....	\$ 90.00	..... Disposal "Y", Whirlpool Group.
-	.....	-	..... Dismantled March, 1921.
10 x 16	.....	-	..... Near Landys Lane.
15 x 20	.....	\$ 235.00	..... Whirlpool Group.
12 x 12	.....	\$ 210.00	..... Storage Shack. Lower House Group.
8 x 8	\$ 100.00 Fuel Storage Shack. Montrose Group.
-	- Blown down and dismantled December, 1921.

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Building Number	Name or Use	Exterior Walls	Construction Interior Walls	Roofing
54-115	Powderman's Shack	Tar Paper	Board	Tar Pa
54-116	Store Shack	Tar Paper	Board	Tar Pa
54-117	Foreman's Shanty	Gumite	Board	Tar Pa
54-118	Riggers' Shack	Nvity.Sdg.	Board	Tar Pa
54-119	Blacksmith Shop	Tar Paper	Nvity.Sdg.	Tar Pa
54-120	Blacksmith Shop	Nvity.Sdg.	Board	Tar Pa
54-121	Water Tank Cover	-	-	-
54-122	Pump Shack	Board	Board	Tar Pa
54-123	Office	Tar Paper	Board	Tar Pa
54-124	Carpenters' Shack	-	-	-
54-125	Riggers' Shack	Tar Paper	Board	Tar Pa
54-126	Garage	Nvity.Sdg.	Board	Tar Pa
54-127	Dynamite Shack	Nvity.Sdg.	Board	Tar Pa
54-128	Dynamite Shack	-	-	-
54-129	Linenman's Shack	Nvity.Sdg.	Board	Tar Pa
54-130	Oil House	Nvity.Sdg.	Board	Tar Pa
54-131	Boiler House	Nvity.Sdg.	Board	Tar Pa
54-132	Pump Shack	Tar Paper	Board	Tar Pa
54-133	Crane Repair Shack	Nvity.Sdg.	Board	Tar Pa
54-134	Storehouse	Tar Paper	Board	Tar Pa
54-135	Section House	Nvity.Sdg.	Board	Tar Pa
54-136	Boiler House	-	-	-
54-137	Riggers' Shack	Board	Board	Tar Pa
54-138	Horse Barn	Nvity.Sdg.	Board	Tar Pa
54-139	Powder House	Nvity.Sdg.	Board	Tar Pa
54-140	Foreman's Shack	Nvity.Sdg.	Board	Tar Pa
54-141	Office	Nvity.Sdg.	Board	Tar Pa
54-142	Riggers' Shack	Nvity.Sdg.	Board	Tar Pa
54-143	Electric Shovel Repair	Corr.Iron	Board	Tar Pa
54-144	Detective's Office	Board	Board	Tar Pa
54-145	Oil House	Corr.Iron	Board	Corr.Ir
54-146	Garage	Nvity.Sdg.	Board	Tar Pa
54-147	Carpenter Shop	Nvity.Sdg.	Board	Tar Pa
54-148	Pump Shack	Nvity.Sdg.	Board	Tar Pa
54-149	Trainmaster's Office	Nvity.Sdg.	Board	Tar Pa
54-150	Boat House	Nvity.Sdg.	Board	Tar Pa
54-151	Tool House	Tar Paper	Board	Tar Pa
54-152	Dynamite Shack	Nvity.Sdg.	Board	Tar Pa
54-153	Salt and Oil Station	-	-	-
54-154	Stairway	-	-	-
54-155	Drumk Boiler House	Tar Paper	Board	Tar Pa
54-156	Pump Shack	Tar Paper	Board	Tar Pa

CONSTRUCTION BUILDINGS

Dimensions in feet	Cost	Remarks
in 1920 (continued)		
10 x 14	\$ 210.00	.... Used for storage of explosives. Power House Group.
10 x 12	195.00	.... Used for storage of tools, etc. Chippewa Group.
10 x 12	235.00	.... Disposal "F". Whirlpool Group.
6 x 12	220.00	.... Used for storage of ropes, etc. Whirlpool Group.
18 x 24	750.00	.... Portable type. See Photo.J-65, Page J-71.
8 x 16	195.00	.... Portable. Various locations. Dismantled Dec.1921.
- .....	-	.... Dismantled December, 1921. Montrose Group.
10 x 10	175.00	.... Portable type, used in various locations.
10 x 10 .....	-	.... Office at Power House for Mr. Robertson.
- .....	-	.... Power House Group. Dismantled January, 1922.
12 x 20	300.00	.... Power House Group. For Diggers on Screen House.
12 x 16	300.00	.... Chippewa Group. Photo.J-71, Page J-72.
10 x 37	400.00	.... Portable type. Photo.J-76, Page J-73.
- .....	-	.... Dismantled December, 1921. Various locations.
8 x 8	66.40	.... Montrose Group. Originally dynamite shack.
6 x 6	90.00	.... Whirlpool Group. Dismantled January, 1922.
12 x 12	230.00	.... Whirlpool Group. Heating Unit for Water Tank No.2.
12 x 12	200.00	.... Power House Group.
16 x 20	260.00	.... Whirlpool Group. Repairs to Bay City Cranes.
8 x 12	160.00	.... Whirlpool Group. For Sealing Plant No.1.
16 x 20	245.00	.... Montrose Group. For Truck Repair Gang.
- .....	-	.... Whirlpool Group. For Salting Station. Dismantled.
10 x 15	215.00	.... Power House Group. Originally Carpenters' Shack.
16 x 20	245.00	.... Landys Lane. Originally a section house.
12 x 20	230.00	.... Whirlpool Group. Explosive Storage. Dismantled.
10 x 10 .....	-	.... Power House Group. Derrick Foreman's Shack.
12 x 20	230.00	.... Whirlpool Group. Office for Concrete Plant.
16 x 24	300.00	.... Whirlpool Group. Storage for Diggers' Material.
17 x 53	2,500.00	.... Montrose Group. Photo.J-82, Page J-74.
6 x 6	60.00	.... Montrose Group. At the Coal Trestle.
12 x 16	293.76	.... Whirlpool Group. Storage of oil and grease.
14 x 18 .....	-	.... Power House Group. For Camp Ross.
20 x 50	1,320.00	.... Power House Group.
12 x 20	130.00	.... Portable. Photo.J-65, Page J-70.
in 1921		
16 x 16	\$ 1,015.00	.... Whirlpool Group.
16 x 50	900.00	.... Chippewa Group. For launch "Malinche".
12 x 12 .....	-	.... Power House Group. For Derrick No.11.
12 x 16	307.80	.... Power House Group. Portable type.
- .....	-	.... Whirlpool Group. Dismantled September, 1921.
351 Steps .....	-	.... From Power House to top of Bank.
12 x 22 .....	-	.... Power House. On Derrick No.4. Dismantled Mar.1922.
13 x 20	295.00	.... Montrose Group. At the M.C.R.R. Bridge.

COPY

LIST OF TEMPORARY

Building Number	Name or Use	Exterior Walls	Construction Interior Walls	Roofing
54-157	Speeder House	Tar Paper	Board	Tar Paper
54-158	Gas and Oil House	Tar Paper	Board	Tar Paper
54-159	Coaling Platform	Heavy Timber	Trestle	
54-160	Wind-break Fence	Board	Board	-
54-161	Ramp House	-	-	-
54-162	Brine and Oil Tanks	-	-	-
54-163	Car Repair Shack	Wvly. Sdg.	Board	Tar Paper
54-164	Foreman's Shack	Wvly. Sdg.	Board	Tar Paper
54-165	Boiler House	Tar Paper	Board	Tar Paper
54-166	Engineers' Office	Tar Paper	Board	Tar Paper
54-167	Riggers' Shack	Board	Board	Tar Paper
54-168	Electric Stores	-	-	-
54-169	Riggers' Shack	-	-	-
54-170	Dynamite Shack	-	-	-
54-171	Compressor House	-	-	-
54-172	Compressor House	-	-	-
54-173	Office	Board	Board	Tar Paper
54-174	Guard Shack	-	-	-
54-175	Boiler House	Tar Paper	Board	Tar Paper
54-176	Section House	Tar Paper	Board	Tar Paper
54-177	Tool House	Wvly. Sdg.	Board	Tar Paper
54-178	Transformer House	Corr. Iron	Frame	Corr. Iron
54-179	Foreman's Shack	Wvly. Sdg.	Board	Tar Paper
54-180	Powder House	Board	Board	Tar Paper
54-181	Foreman's Office	Wvly. Sdg.	Board	Tar Paper
54-182	Branch Storehouse	Wvly. Sdg.	Board	Tar Paper
54-183	Carpenter Shack	Wvly. Sdg.	Board	Tar Paper
54-184	Shelter and Oribwork	Wvly. Sdg.	Board	Tar Paper
54-185	Watchman's Shack	Board	Board	Tar Paper
54-186	Surveyors' Office	-	-	-
54-187	Guard Shack	Wvly. Sdg.	Board	Tar Paper
54-188	Ramp House	Wvly. Sdg.	Board	Tar Paper
54-189	Carpenters' Stores	Board	Board	Tar Paper
54-190	Shelter	-	-	-
54-191	Guard Shack	Wvly. Sdg.	Board	Tar Paper
54-192	Storehouse	Tar Paper	Board	Tar Paper
54-193	Storehouse and Shelter	Tar Paper	Board	Tar Paper
54-194	Storehouse	Tar Paper	Board	Tar Paper
54-195	Purification Building	Board	Board	Tar Paper
54-196	Oil and Waste Shack	Wvly. Sdg.	Board	Tar Paper
54-197	Oil House	Corr. Iron	Frame	Corr. Iron
54-198	Oil House	Corr. Iron	Frame	Corr. Iron
54-199	Blacksmith Shop	Corr. Iron	Frame	Corr. Iron
54-200	Gate Keeper's Shanty	Wvly. Sdg.	Board	Tar Paper
54-201	Carpenters' Tool Shack	Wvly. Sdg.	Board	Tar Paper
54-202	Gate Keeper's Shanty	Wvly. Sdg.	Board	Tar Paper

CONSTRUCTION BUILDINGS

Dimensions in feet		Cost	Remarks
in 1921 (continued)			
13 x 18	.....	\$ 350.00	..... Whirlpool Group. At the N.S. & T. Bridge.
5 x 6	.....	25.00	..... Whirlpool Group. Gas and Oil for Speeders.
9 x 35	.....	135.00	..... Montrose Group. For Coaling Steam Locomotives.
-	.....	-	..... Montrose Group. To protect Oil Sprayers. Burned.
-	.....	-	..... Montrose. Pumphouse on Oil Tank. Burned.
-	.....	-	..... Montrose. Brine and Oil for Sprayers. Burned.
18 x 25	.....	670.00	..... Montrose Group. For Repair of Lump Cars.
10 x 12	.....	140.00	..... Montrose Group. For Foreman of Car Repairers.
15 x 30	.....	742.00	..... Montrose Group. To supply Steam for Pumps, etc.
20 x 50	.....	-	..... Power House. For the Field Engineers.
12 x 33	.....	535.00	..... Whirlpool Group. At the Concrete Plant.
14 x 15	.....	-	..... Power House Group. Dismantled December, 1921.
11 x 15	.....	-	..... Power House Floor.
6 x 19	.....	100.00	..... Lundys Lane.
15 x 20	.....	-	..... Power House Group. Dismantled March, 1922.
13 x 20	.....	-	..... Various locations. Portable type. Dismantled.
12 x 23 1/2	.....	590.00	..... Whirlpool Group. For Concrete Work Records.
8 x 10	.....	100.00	..... At the Winery Road Bridge.
10 x 34	.....	406.00	..... Whirlpool Group. Heating Plant for Building No. 57.
-	.....	-	..... Whirlpool Group. Shelter for Truck Camp. Dismantled.
9 x 10	.....	125.00	..... Whirlpool Group. Dismantled December, 1921.
10 x 22	.....	360.00	..... Chippewa Group. Photo. J-60, Page J-74.
10 x 12	.....	162.00	..... Montrose Group. Now used as Watchman's Shack.
10 x 20	.....	696.40	..... Montrose Group. Photo. J-58, Page J-70. Sold.
8 x 12	.....	168.96	..... Montrose. Foreman on Power Transmission Line.
12 x 16	.....	241.92	..... Montrose Group. Photo. J-61, Page J-71.
14 x 18	.....	437.80	..... Montrose Group. General Carpenter Work.
14 x 18	.....	670.88	..... Victoria Street Bridge. Dismantled December, 1921.
6 x 6	.....	50.00	..... Power House Group. Photo. J-63, Page J-75.
-	.....	-	..... Fortage Road. Dismantled June, 1921.
12 x 15	.....	266.80	..... Lundys Lane. Also used as waitingroom for buses.
10 x 24	.....	324.00	..... Whirlpool Group. Set up on Railway Ties.
12 x 16	.....	324.00	..... Whirlpool Group. Blown down in January, 1922.
-	.....	-	..... Montrose Group. Blown down in January, 1922.
6 x 10	.....	90.00	..... Whirlpool Group. Entrance to the Camps.
8 x 10	.....	150.00	..... Chippewa Group. For Miscellaneous Small Stores.
12 x 16	.....	125.00	..... Montrose Group. For Dredge "Cyclone".
8 x 12	.....	125.00	..... Montrose Group. Dismantled February, 1922.
9 x 30	.....	550.00	..... Whirlpool Group. Navigation of Camp Bedding.
8 x 10	.....	195.00	..... Power House Group.
12 x 12	.....	400.00	..... Whirlpool Group. Photo. J-65, Page J-72.
12 x 12	.....	400.00	..... Whirlpool Group.
15 x 20	.....	-	..... Whirlpool Group. For Drill Repairs.
6 x 8	.....	75.00	..... Lundys Lane. Photo. J-76, Page J-73.
8 x 10	.....	112.00	..... Lundys Lane.
6 x 8	.....	75.00	..... Montrose Group.

COPY

LIST OF BUILDINGS

Building Number	Name or Use	Exterior Walls	Construction Interior Walls	Roofing	Notes
54-203	Carpenter Shop	Wvly. Sdg.	Board	Tar Pap	
54-204	Iron Workers' Shack	Tar Paper	Board	Corr. Ir	
54-205	Carpenters' Tool House	Wvly. Sdg.	Board	Tar Pap	
54-206	Tent Camp	Tent	Tent	Tent	
54-207	Tent Camp	Tent	Tent	Tent	
54-208	Tent Camp	Tent	Tent	Tent	
54-209	Tent Hospital	Tent	Tent	Tent	
54-210	Garbage Building	Fly Screen	Frame	Corr. Ir	
54-211	Carpenters' Tool House	Board	Board	Tar Pap	
54-212	Foreman's Office	Tar Paper	Board	Tar Pap	
54-213	Loco. Springs Building	Corr. Iron	Corr. Iron	Corr. Ir	
54-214	Oil House	Corr. Iron	Frame	Corr. Ir	
54-215	Linemen's Shack	Wvly. Sdg.	Board	Tar Pap	
54-216	Oil House	Corr. Iron	Frame	Corr. Ir	
54-217	Storehouse	Wvly. Sdg.	Board	Tar Pap	
54-218	Garage and Speeder House	Corr. Iron	Frame	Corr. Ir	
54-219	Sanitation Shack	Wvly. Sdg.	Board	Tar Pap	
54-220	Garage	Corr. Iron	Frame	Corr. Ir	
54-221	Carpenters' Tool House	Corr. Iron	Frame	Corr. Ir	
54-222	Foreman's Office	-	-	-	
54-223	Linemen's Shack	Tar Paper	Board	Tar Pap	
54-224	Pump House	Concrete Blocks	-	Concrete	
54-225	Section House	Board	Board	Tar Pap	
54-226	Fire Extinguisher Bldg.	Wvly. Sdg.	Board	Tar Pap	
54-227	Pump Shack	Wvly. Sdg.	Board	Tar Pap	
54-228	Tool House	-	-	-	
54-229	Sanitation Shack	Tar Paper	Board	Tar Pap	
54-230	Pump Shack	Wvly. Sdg.	Board	Tar Pap	
54-231	Generator Cover	Board	Board	Tar Pap	
54-232	Storehouse	Wvly. Sdg.	Board	Tar Pap	
54-233	Storehouse	Wvly. Sdg.	Board	Tar Pap	
54-234	Carpenter Shack	Wvly. Sdg.	Board	Tar Pap	
54-235	Sand Drier House	Wvly. Sdg.	Board	Tar Pap	
54-236	Generator Cover	Board	Board	Tar Pap	
54-237	Blacksmith Shop	Board	Board	Tar Pap	
54-238	Blacksmith Shop	Wvly. Sdg.	Board	Tar Pap	
54-239	Ramp Shack	-	-	-	
54-240	Boiler House	-	-	-	
54-241	Vault	-	-	-	
54-242	Storehouse	Corr. Iron	Frame	Corr. Ir	
54-243	Tramping Pole House	Corr. Iron	Frame	Corr. Ir	
54-244	Garage	Tar Paper	Board	Tar Pap	

CONSTRUCTION BUILDINGS

Dimensions in feet	Cost	Remarks
in 1921 (continued)		
12 x 16	\$ 385.00	Portage Rd. Group. Control Gate on Canal.
12 x 24	576.00	Power House Group. For work on reinforcement bars.
12 x 18	430.00	Power House Group.
-	-	Whirlpool Group. Sleeping quarters. Dismantled.
-	-	Whirlpool Group. As for 54-206. Dismantled.
-	-	Whirlpool Group. As for 54-206-207. Dismantled.
-	-	Portage Road. For minor injuries. Dismantled.
12 x 18	175.00	Whirlpool Group. Photo.J-74, Page J-73.
10 x 12	240.00	Power House Group. Work on Concreting Plant.
12 x 36	837.00	Whirlpool Group. Also used for Misc. Stores.
14 x 20	700.00	Whirlpool Group. For tanning Locomotive Springs.
12 x 16	350.00	Whirlpool Group. Photo.J-64, Page J-71.
6 x 8	100.50	Montrose Group. At Montrose Sub-station.
12 x 16	427.75	Montrose Group. Photo.J-67, Page J-72.
12 x 24	-	Power House Group. Lewiston Bridge.
12 x 30	-	Power House Group. For Speeders to Power House.
6 x 10	-	Power House Group.
12 x 17	405.00	Power House Group. For Camp Ross's Car.
10 x 10	160.00	Lundys Lane. For work on Derrick #18. Dismantled.
-	-	Niagara Falls, N.Y. Dismantled.
12 x 14	268.00	Montrose Group. Photo.J-83, Page J-74.
4 x 9	-	Power House Group. Erected on Moyes' Estate.
14 x 18	556.00	Power House Group. Track Repair Gang below Bank.
12 x 18	380.00	Whirlpool Group. Storage of extinguishers.
6 x 8	100.00	Whirlpool Group. Pumping small Gulley.
-	-	Power House Floor, for Westinghouse Company.
12 x 21	253.00	Whirlpool Group.
10 x 13	300.00	Extension 6' x 8' added. Montrose Group.
10' Octagonal	-	Power House Group. Protection for Generator No.1.
10 x 13	-	Power House Group. For Westinghouse Co.
10 x 13	-	Power House Group. For Dominion Bridge Co.
12 x 16	307.50	Power House Group. Used as Tool House.
12 x 16	276.00	Montrose Group. Dry sand for Locomotives.
10' Octagonal	-	Power House Group. Protection for Generator No.2.
16 x 16	360.00	Montrose Group. For Drill Repairs. Dismantled.
16 x 20	430.00	Whirlpool Group. Dismantled.
12 x 15	-	Chippewa Group. Pumps dewatering cofferdams.
15 x 30	-	Power House. Temporary Heating Unit. Dismantled.
6 x 6	-	Montrose Group. Storage of Papers and Drawings.
-	-	Whirlpool Group.
-	-	Montrose Group. Making Pumping Poles.
-	-	Montrose Group. For men's cars at Camp No.234.

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LIST OF TEMPORARY

Building Number	Name or Use	Exterior Walls	Construction		Roofing
			Interior Walls		
54-245	Transformer House	-	-	-	-
54-246	Pump House	-	-	-	-
54-247	Carpenters' Shack	-	-	-	-
55	Transformer Station	Corr. Iron	Corr. Iron	Corr. Iron	Corr. Iron
56	Powder House	Corr. Iron	Corr. Iron	Corr. Iron	Corr. Iron
57	Locomotive House	Gumite	Board	Gumite	Gumite
58	House	-	-	-	-
59	House	-	-	-	-
60	House	-	-	-	-
61	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron
62	Locomotive House	-	-	-	-
63	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron
64	House	-	-	-	-
65	Pipe and Tinsmith Building	Gumite	Board	Gumite	Gumite
66	Railway Supply Shed	Tar Paper	Board	Corr. Iron	Corr. Iron
67	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron
68	House	-	-	-	-
69	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron
70	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron
71	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron
72	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron
73	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron
74	Boarding Camp	Hvity. Sdg.	Board	Tar Paper	Tar Paper
75-89	Houses	-	-	-	-
90	Switch and Railway Shacks	-	-	-	-
91	House	-	-	-	-
92	Linemen's Stores	Gumite	Board	Gumite	Gumite
93	House	-	-	-	-
94	Cement Storehouse	Hvity. Sdg.	Board	Corr. Iron	Corr. Iron
95	Sand Conveyor	-	-	-	-
96	Camp Inspector's House	Hvity. Sdg.	Board	Tar Paper	Tar Paper
97	Bath House	Hvity. Sdg.	Gumite (part)	Tar Paper	Tar Paper
98	Bunk House	Hvity. Sdg.	Board	Tar Paper	Tar Paper
99	Lighthouse	-	-	-	-
100	Boarding House	Hvity. Sdg.	Board	Corr. Iron	Corr. Iron
101-A	Boarding House	Hvity. Sdg.	Board	Tar Paper	Tar Paper
101-B	Boarding House	-	-	-	-
101-C	Ice House	Hvity. Sdg.	Board	Tar Paper	Tar Paper
102	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron
103	Boarding House	Board	Board	Tar Paper	Tar Paper
104	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron
105	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron
106	Bunk House	Hvity. Sdg.	Gumite	Corr. Iron	Corr. Iron

CONSTRUCTION BUILDINGS

Dimensions in feet	Cost	Remarks
in 1922		
- .....	-	.... Power House Group.
- .....	-	.... Power House Group.
- .....	-	.... Power House Group.
in 1916		
20 x 30 .....	-	.... Chippawa Group. Photo.J-45 and J-46, Page J-67.
12 x 20	541.42	... Used to store explosives. Power House Group.
60 x 295	27,662.05	... Whirlpool Group. Page J-61.
-	-	... Purchased Building on Right-of-Way. Now Rented.
-	-	... Purchased Building on Portage Road. Now Rented.
-	-	... Purchased Building on Portage Road. Now Rented.
20 x 70	2,496.29	... Foreign Labour. Whirlpool Group. Photo.J-7, Page J-49.
-	-	... Demolished June, 1920.
20 x 70	2,496.29	... Foreign Labour. Whirlpool Group.
-	-	... Purchased Building on Right-of-Way. Now Rented.
40 x 60	2,344.10	... Whirlpool Group. Used by Pipe and Tinsmith Gang.
25 x 30	754.21	... Whirlpool Group. Storage of Railway Supplies.
20 x 70	2,496.29	... Whirlpool Group. Foreign Labour.
-	-	... Purchased Building on Right-of-Way. Now Rented.
20 x 70	2,496.29	... Whirlpool Group. Foreign Labour.
20 x 70	2,496.29	... Whirlpool Group. Foreign Labour.
20 x 70	2,496.29	... Whirlpool Group. Foreign Labour.
20 x 70	2,496.29	... Whirlpool Group. Foreign Labour.
20 x 70	2,496.29	... Power House Group. Photo.J-5, Page J-49.
50 x 80	9,540.65	... Power House Group. Mixed Labour.
-	-	... 75 to 89 inclusive are purchased buildings.
-	-	... Nine buildings. See Photos.J-86 and J-87, Page J-75.
-	-	... Purchased Buildings on Right-of-Way. Now Rented.
30 x 40	1,142.54	... Whirlpool Group. Storage of Lineman's Stores.
-	-	... Purchased Building. Main Disposal Group.
24 x 80	-	... Power House Group. For storage of cement.
-	-	... Power House Group.
21 x 27	2,176.83	... Whirlpool Group. First Aid Room, 15'x16' added.
18 x 48	5,200.78	... Steam Furnace and Cement Floor. Whirlpool Group.
23 x 130	14,346.29	... Whirlpool Group. Photographs on Page J-51.
-	-	... Gov't. Property. Moved to various locations.
23 x 190	29,498.60	... Whirlpool Group. Photographs on Page J-50.
23 x 92	13,931.71	... Montrose Group. For Mixed Labour.
-	-	... Annex to Purchased House at Montrose.
14 x 16	1,200.00	... Montrose. To supply ice for the different camps.
30 x 100	3,136.29	... Whirlpool Group. For Foreign Labour.
23 x 90	14,611.30	... Chippawa Group.
20 x 80	2,636.29	... Whirlpool Group. Foreign labour.
20 x 80	2,636.29	... Whirlpool Group. Foreign labour.
20 x 80	2,636.29	... Power House Group. Photo.J-22, Page J-56.

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WALTER J. FRANCIS & COMPANY.

COPY FOR ENCLOSURE TO Mr. J. Allan Ross.

LIST OF TEMPORARY

Building Number	Name or Use	Exterior Walls	Construction Interior Walls	Roofing
				Built
107	Bank House	Evity.Sdg.	Gumite	Corr.Iro
108	Bank House	Evity.Sdg.	Gumite	Corr.Iro
109	Cement Shed	-	-	-
110	Camp Boss's House	Evity.Sdg.	Board	Tar Paper
111	Ice House	Evity.Sdg.	Matched Lining	Tar Paper
112	Oil House	Board	Board	Tar Paper
113	Bank House	Evity.Sdg.	Gumite	Corr.Iro
114	Bank House	Evity.Sdg.	Gumite	Corr.Iro
115	Bank House	Evity.Sdg.	Gumite	Corr.Iro
116	Stone Bins and Trestles	-	-	-
117	House	-	-	-
118	House	-	-	-
119	Electrical Stores	Gumite	Board	Tar Paper
				Built
120	Miscellaneous Stores	Gumite	Board	Tar Paper
121	Concrete Post House	Board	Board	Tar Paper
122	Bank House	Evity.Sdg.	Board	Corr.Iro
123	House	-	-	-
124	Store House	Evity.Sdg.	Board	Tar Paper
125	Straw Store House	Evity.Sdg.	Board	Tar Paper
126	Pig Pen	Board	Board	None
127-128	Houses	-	-	-
129	Store House	-	-	-
130	Sub-Station	-	-	-
131	Recreation House	-	-	-
132	Coal Dock	-	-	-
133	Camp Boss's House	Evity.Sdg.	Board	Tar Paper
134	Office, Division No.1	Evity.Sdg.	Board	Shingles
135	Compressor Building	Gumite	Board	Corr.Iro
136	House	-	-	-
137	Machine Shop	Evity.Sdg.	Board	Tar Paper
138	Dining Camp	Evity.Sdg.	Board	Corr.Iro
139	Dining Camp	Evity.Sdg.	Board	Corr.Iro
140	Cement Shed	Evity.Sdg.	Board	Tar Paper
141	Blacksmith Shop	Tar Paper	Board	2 ply Fe
142	House	-	-	-
143	Cement Shed	Board	Board	Tar Paper
144	Oil House	Tar Paper	Board	Tar Paper
145-148	Houses	-	-	-
149	Dining House	-	-	-
150-160	Houses	-	-	-
161	Hospital Annex	Evity.Sdg.	Board	2 ply Fe
161-A	Hospital Extension	Evity.Sdg.	Board	Tar Paper
161-B	Hospital Kitchen	Evity.Sdg.	Board	Tar Paper

CONSTRUCTION BUILDINGS

Dimensions in feet		Cost	Remarks
in 1918 (continued)			
10 x 80	.....	\$ 2,636.29	.... Power House Group. Foreign Labour.
10 x 92	.....	\$ 3,954.30	.... Power House Group. Dining Room, 20' x 35' added.
-	.....	-	.... Chippewa. Burned in 1919; replaced by Bldg.No.140.
10 x 28	.....	\$ 2,037.51	.... Power House Group.
5 x 15	.....	\$ 1,039.49	.... Power House Group. Connected with Camp No. 74.
8 x 18	.....	\$ 128.69	.... Chippewa. Storing Oil and Paint for Intake Works.
10 x 72	.....	\$ 2,636.29	.... Whirlpool Group. Same type as Photo.J-7, Page J-49.
10 x 72	.....	\$ 2,636.29	.... Whirlpool Group. Same type as Photo.J-7, Page J-49.
10 x 72	.....	\$ 2,636.29	.... Whirlpool Group. Same type as Photo.J-7, Page J-49.
-	.....	\$ 3,514.50	.... Whirlpool Group. For distribution of stone.
-	.....	-	.... Purchased Building. Moved.
-	.....	-	.... Purchased Building. Now rented.
-	.....	-	.... Whirlpool Group. Burned 1919; replaced by No.170.
in 1919			
35 x 160	.....	\$ 11,000.00	.... Whirlpool Group. Photos.J-41 and J-42, Page J-66.
24 x 48	.....	\$ 2,719.91	.... Whirlpool Group. Construction of concrete posts.
36 x 72	.....	\$ 2,644.54	.... Main Disposal Group. For Foreign Labour.
-	.....	-	.... Purchased Building. Sold.
30 x 50	.....	\$ 6,739.62	.... General Storehouse. Power House Group.
30 x 30	.....	\$ 750.00	.... Whirlpool Group. Storage of Straw for Mattresses.
40 x 40	.....	-	.... Power House Group. For pigs belonging to workmen.
-	.....	-	.... Purchased Buildings. Lundys Lane.
-	.....	-	.... Power House Group. Dismantled June, 1921.
-	.....	-	.... Montrose Sub-Station. Burned 1921; replaced by #241.
-	.....	-	.... Recreation Room for Foreign Labour. Whirlpool Group.
-	.....	\$ 438.50	.... For coaling tugs and dredges at Chippewa.
24 x 24	.....	\$ 1,612.07	.... Whirlpool Group. Residence for Camp Boss.
-	.....	-	.... Purchased Building at Chippewa.
36 x 70	.....	\$ 6,427.32	.... Whirlpool Group. Addition to Building No.13.
-	.....	-	.... Purchased Building. Now rented.
60 x 60	.....	\$ 6,300.00	.... Power House Group. For small repair work.
20 x 70	.....	\$ 2,500.00	.... Main Disposal Group. For Foreign Labour.
20 x 70	.....	\$ 2,500.00	.... Main Disposal Group. For Foreign Labour.
20 x 80	.....	\$ 3,500.00	.... Chippewa Group. Replacing Building No.109.
24 x 143	.....	-	.... Repair of Cars and Engines at Power House.
-	.....	-	.... Purchased Building at Main Disposal. Now rented.
20 x 80	.....	\$ 3,500.00	.... Storage of Cement for M.C.R.R.Bridge, Montrose.
15 x 15	.....	-	.... Storage of Oils and Grease at Power House.
-	.....	-	.... Four Purchased Houses. No.146 sold, others rented.
-	.....	-	.... Dining Hall for Camp No.55, Burned June, 1920.
-	.....	-	.... Eleven Purchased Houses. All rented.
65 x 74	.....	\$ 12,611.00	.... Portage Road Group. Photos.J-24 and J-25.
24 x 27	\$ 4,471.20 Portage Road Group. Photos.J-24 and J-25.
9 x 40	\$ 1,580.00 Portage Road Group. Annex to No.161.

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LIST OF THE CHAM

Building Number	Name or Use	Exterior Walls	Construction Interior Walls	Roofing
162	Salt Store House	Wvity.Sdg.	Board	2 ply Fel
163	General Stores	Board	Board	Tar Paper
164-A	Boarding Camp	Wvity.Sdg.	Cedar Finish	Tar Paper
164-B	Ice House	Concrete	Concrete	Tar Paper
165	Bunk House	Wvity.Sdg.	Gumite	Corr.Iron
166	Bunk House	Wvity.Sdg.	Gumite	Corr.Iron
167-168	Dining Camp	Wvity.Sdg.	Board	Tar Paper
169	Bunk House	Wvity.Sdg.	Board	Corr.Iron
169-A	Produce Storage	Wvity.Sdg.	Board	Tar Paper
170	Electrical Stores	Gumite	Board	Corr.Iron
171	Guard Shack	Wvity.Sdg.	Board	Tar Paper
172	Brass Moulding Shop	Gumite	Board	Tar Paper
173	Bath House	Wvity.Sdg.	Gumite	Tar Paper
174	House	-	-	-
175	Cement Shed	Gumite	Board	Tar Paper
176-177	Barns	Siding & Board	Board	Shingles
178	Electricians' Shop	Corr.Iron	Corr.Iron	Corr.Iron
179	Carpenters' Stores	Corr.Iron	Board	Corr.Iron
180	Boarding Camp	Gumite	Board	Corr.Iron
180-A	Ice House	Concrete	Board	Tar Paper
181	Boarding Camp	Gumite	Board	Corr.Iron
182	Boarding Camp	Gumite	Board	Corr.Iron
183	Oil House	Corr.Iron	Board	Corr.Iron
184	Rooming House	Gumite	Board	Corr.Iron
185	Rooming House	Gumite	Board	Corr.Iron
186	Bunk House	Gumite	Board	Corr.Iron
187	Coal Dump	Heavy Timber Trestle and Bins		
188	Compressor House	Gumite	Board	Corr.Iron
189	Sand Drier House	Wvity.Sdg.	Board	Tar Paper
190	Carpenter Foreman's House	Wvity.Sdg.	Board	Tar Paper
191	Car Repair Shop	Tar Paper	Board	Tar Paper
192	House	-	-	-
193	Power House Plant Stores	Corr.Iron	Board	Corr.Iron
194	Bunk House	Wvity.Sdg.	Gumite	Corr.Iron
195	Bunk House	Wvity.Sdg.	Gumite	Corr.Iron
196	Cement Shed	Tar Paper	Board	Tar Paper
197	Main Office Building	Gumite	Gumite	Corr.Iron
198	House	-	-	-
199	Bunk House	Wvity.Sdg.	Gumite	Corr.Iron
200	Bunk House	Tar Paper	Cedar Finish	Corr.Iron
201	Frontier College Building	Wvity.Sdg.	Cedar Finish	Tar Paper
202	Cement Shed	Tar Paper	Board	Corr.Iron
203	Bunk House	Wvity.Sdg.	Board	Tar Paper

CONSTRUCTION BUILDINGS

Dimensions in feet	Cost	Remarks
in 1919 (continued)		
16 x 30	\$ 510.00	Whirlpool Group. Silt for floors of dump cars.
in 1920		
22 x 70	-	Power House Group. Storage.
28 x 90	18,680.00	Power House Group. Photo.J-19, Page J-54.
14 x 16	-	Ice Plant Building for Camp No.164-A.
20 x 72	2,800.00	Whirlpool Group. For Foreign Labour.
20 x 72	2,800.00	Whirlpool Group. For Foreign Labour.
24 x 194	9,212.00	Power House Group. Originally two buildings.
24 x 90	-	Power House Group. For Foreign Labour.
10 x 10	-	Used in connection with No.169.
47 x 96	6,800.00	Whirlpool Group. Replacing No.119.
11 x 84	-	Power House Group. Shack for Watchman.
20 x 20	650.00	Whirlpool Group. Brass Castings for Dump Cars, etc.
-	7,650.00	Power House Group. Concrete Floor & Steam Furnace.
-	-	Purchased Building at Montrose.
25 x 72	4,194.00	Whirlpool Group.
-	-	Two Purchased Barns, used for horses at Montrose.
18 x 50	1,591.00	Montrose Sub-station. Electricians' Work Shop.
25 x 50	2,250.00	Whirlpool Group.
28 x 216	57,454.40	Whirlpool Group. Extension 35' x 70'. Photo.J-18.
14 x 16	1,200.00	Annex to No.180.
28 x 145	19,295.00	Whirlpool Group. Photographs on Page J-53.
28 x 145	19,750.00	Montrose Group. For White Labour.
25 x 60	2,700.00	Whirlpool Group. Central Oil Distribution Point.
28 x 145	18,555.00	Whirlpool Group. Mixed Labour.
28 x 145	19,000.00	Whirlpool Group. Mixed Labour.
28 x 145	25,000.00	Power House Group. Photos.J-20, J-21 and J-23.
640' Long	30,000.00	Montrose. Coaling Locomotive and Steam Shovels.
37 x 156	21,000.00	Montrose Group. Photos.J-23, J-24, Page J-53.
12 x 14	-	Power House Group. To Dry Sand for Locomotives.
26 x 27	1,945.27	Whirlpool Group. Carpenter Foreman's Residence.
87 x 186	57,218.60	Whirlpool Group. Repairs to Dump Cars. Page J-62.
-	-	Purchased House. Whirlpool Group. Rented.
-	-	At the R.C.R.R. Yards at Queenston.
30 x 150	-	Whirlpool Group. For Foreign Labour.
20 x 86	3,000.00	Whirlpool Group. For Foreign Labour.
20 x 86	3,000.00	Whirlpool Group. For Foreign Labour.
24 x 608	20,000.00	Whirlpool Group. Main Cement Storehouse.
40 x 180	35,885.60	Whirlpool Group. Photographs on Page J-59.
-	-	Purchased Building on Convent Road. Vacant.
20 x 86	3,000.00	Whirlpool Group. Foreign Labour.
20 x 145	23,000.00	Power House Group. For Mixed Labour.
30 x 60	7,128.00	Whirlpool Group. Recreation and Lecture Room.
35 x 700	32,000.00	Whirlpool Group. Photo.J-15, Page J-52.
20 x 86	3,000.00	Whirlpool Group.

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LIST OF THE CRACK

Building Number	Name or Use	Interior Walls	Construction	Interior Walls	Roofing
204	Rooming House	Granite	Board	Corr. Iron	Corr. Iron
205	Bunk House	Hvity. Sdg.	Board	Tar Paper	Tar Paper
206	Engine House	Tar Paper	Board	Tar Paper	Tar Paper
207	Office	Hvity. Sdg.	Board	Tar Paper	Tar Paper
208	Bunk House	Tar Paper	Cedar Finish	Corr. Iron	Corr. Iron
209	Cement Shed	Tar Paper	Board	Corr. Iron	Corr. Iron
210	Bunk House	Hvity. Sdg.	Board	Tar Paper	Tar Paper
211	Bunk House	Hvity. Sdg.	Board	Tar Paper	Tar Paper
212	Bunk House	Hvity. Sdg.	Board	Tar Paper	Tar Paper
213	Bunk House	Tar Paper	Granite	Corr. Iron	Corr. Iron
214	Bunk House	Hvity. Sdg.	Board	Tar Paper	Tar Paper
215	House	-	-	-	-
216	Rooming House	Granite	Board	Corr. Iron	Corr. Iron
217	Rooming House	Granite	Board	Corr. Iron	Corr. Iron
218	Bunk House	Hvity. Sdg.	Board	Corr. Iron	Corr. Iron
219	Bunk House	Hvity. Sdg.	Board	Corr. Iron	Corr. Iron
220	Dock and Storage Shed	Corr. Iron	Corr. Iron	Corr. Iron	Corr. Iron
221	Vulcanizing Building	Tar Paper	Board	Corr. Iron	Corr. Iron
221-A	Boiler House	Hvity. Sdg.	Board	Corr. Iron	Corr. Iron
222	Garage Supplies	Granite	Board	Corr. Iron	Corr. Iron
222-B	Oil House	Board	Board	Tar Paper	Tar Paper
222-C	Garage Office	Tar Paper	Board	Tar Paper	Tar Paper
223	House	-	-	-	-
224-227	Bunk Houses	Hvity. Sdg.	Board	Corr. Iron	Corr. Iron
228	Boarding Camp	Tar Paper	Board	Corr. Iron	Corr. Iron
229	Planing Mill	Hvity. Sdg.	Board	Tar Paper	Tar Paper
230	Machine Shop	Corr. Iron	Board	Corr. Iron	Corr. Iron
231	Boarding House	Tar Paper	Granite	Corr. Iron	Corr. Iron
232	Wash House and Storeroom	Tar Paper	Board	Tar Paper	Tar Paper
233	Engineer's Office	Hvity. Sdg.	Board	Tar Paper	Tar Paper
234	Transformer Building	Corr. Iron	Board	Corr. Iron	Corr. Iron
235	Pipefitters' Shop	Tar Paper	Board	Tar Paper	Tar Paper
236	Dressing Station	Hvity. Sdg.	Board	Tar Paper	Tar Paper
237	Cottage	Hvity. Sdg.	Board	Tar Paper	Tar Paper
238	Transformer Building	Corr. Iron	Board	Corr. Iron	Corr. Iron
239	Store House	Corr. Iron	Board	Corr. Iron	Corr. Iron
240	Transformer Building	Corr. Iron	Board	Corr. Iron	Corr. Iron
241	Wash House	Corr. Iron	Board	Corr. Iron	Corr. Iron
242	Oil House	Open Frame & Chicken Wire	Corr. Iron	Corr. Iron	Corr. Iron

CONSTRUCTION BUILDINGS

Dimensions in feet	Cost	Remarks
In 1920 (continued)		
20 x 145	\$ 19,000.00	Whirlpool Group.
20 x 86	\$ 5,000.00	Whirlpool Group.
20 x 150	\$ 20,000.00	Montrose. Storage & Repair of Steam Locomotives.
18 x 18	\$ 655.00	H.C.R.R. Yards. Connection.
20 x 145	\$ 25,000.00	Power House Group. For Mixed Labour.
35 x 40	\$ 21,000.00	Whirlpool Group. Photo-J-35, Page J-63.
20 x 100	\$ 3,200.00	Whirlpool Group. For Foreign Labour.
In 1921		
20 x 100	\$ 3,200.00	Whirlpool Group. For Foreign Labour.
20 x 86	\$ 5,000.00	Whirlpool Group. For Foreign Labour.
20 x 145	\$ 25,000.00	Power House Group. Sleeping Camp for White Labour.
24 x 150	\$ 8,000.00	Power House Group. For Returned Men only.
-	-	Purchased Building. Now Rented.
20 x 145	\$ 25,000.00	Whirlpool Group. For White Labour.
20 x 145	\$ 25,000.00	Whirlpool Group. For White Labour.
20 x 100	\$ 3,200.00	Whirlpool Group. For Foreign Labour.
20 x 100	\$ 3,200.00	Whirlpool Group. For Foreign Labour.
30 x 41	-	Chippewa. Dimensions of Shed only. Timber dock.
60 x 75	\$ 3,475.00	Whirlpool Group. In connection with Canada.
8 x 30	\$ 600.00	In rear of #221. Boiler and Air Tanks for #221.
20 x 60	\$ 2,950.00	Whirlpool Group. Includes #225-A.
7 x 12	\$ 160.00	Whirlpool Group. Oil and Gas supply for Cars.
-	\$ 1,200.00	Whirlpool Group. Reporting Station for Cars.
-	-	Purchased Building. Rented.
20 x 100	\$ 25,400.00	Seven Houses. Whirlpool Group. Foreign Labour.
20 x 125	\$ 18,000.00	Montrose. Photos-J-13 and J-14, Page J-62.
20 x 36	\$ 2,300.00	Power House Group. Forms for Concrete.
40 x 100	\$ 7,620.00	Chippewa Group. Work at the Intake.
20 x 170	\$ 25,245.00	Montrose Group.
18 x 46	-	Power House Group.
11 x 17	-	Power House. For Canadian Westinghouse Co.
19 x 44	-	Power House. Housing Transformers for Construction.
12 x 20	-	Power House. Power Pipe-threading Machinery.
24 x 40	-	Power House Group. First Aid Station.
24 x 40	-	At Greenston, below the bank. Residence Mr. Lacey.
40 x 110	-	Montrose Group. Replaster No. 100, Burned.
30 x 150	-	H.C.R.R. Yards at Greenston. Power House Material.
15 x 27	\$ 1,300.00	Montrose Group. For Motors in Building No. 100.
18 x 26	\$ 1,500.00	Whirlpool Group. With 62' Tower. Fire Station.
24 x 50	\$ 1,000.00	Whirlpool Group. Open Air Oil and Grease Storage.

The Location of the Buildings.

Generally, the buildings were referred to by groups,- the Chippawa Group, the Montrose Group, the Portage Road Group, the Thirlpool Group, the Power House Group and the Main Disposal Group. Each group as a whole was arranged, designed, and managed according to the special needs. The map included herewith as page J-89, being entitled "Temporary Buildings for Construction", shows the principal buildings of the various groups in their geographic relation to one another and to the work, while the six plans following it, being pages J-90 to J-95, show in more detail the arrangement in the grouping.

A Study of the Characteristics of the Buildings.

I have chosen those buildings shown photographically on pages J-48 to J-75 as illustrative of the more important ones and as characteristic of all.

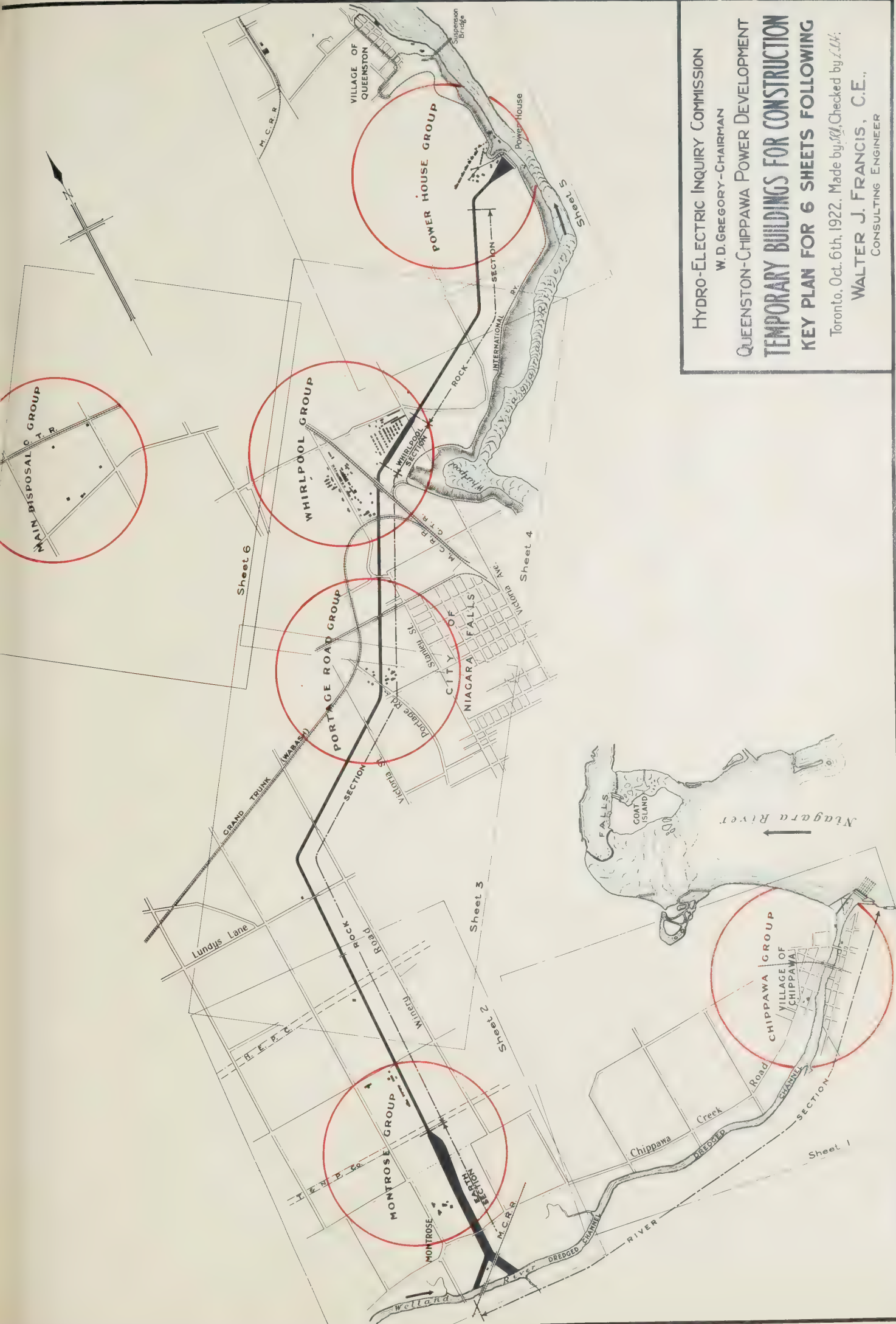
A number of the buildings set forth in the foregoing table do not now exist, for various reasons such as fire and accident. In the case of the very small buildings, some of which were virtually only a few planks nailed together to form a shelter, the records are of no value excepting to show that they were carefully followed on the books. I have been inside of all the important buildings remaining, and have confirmed all the records in a general way.

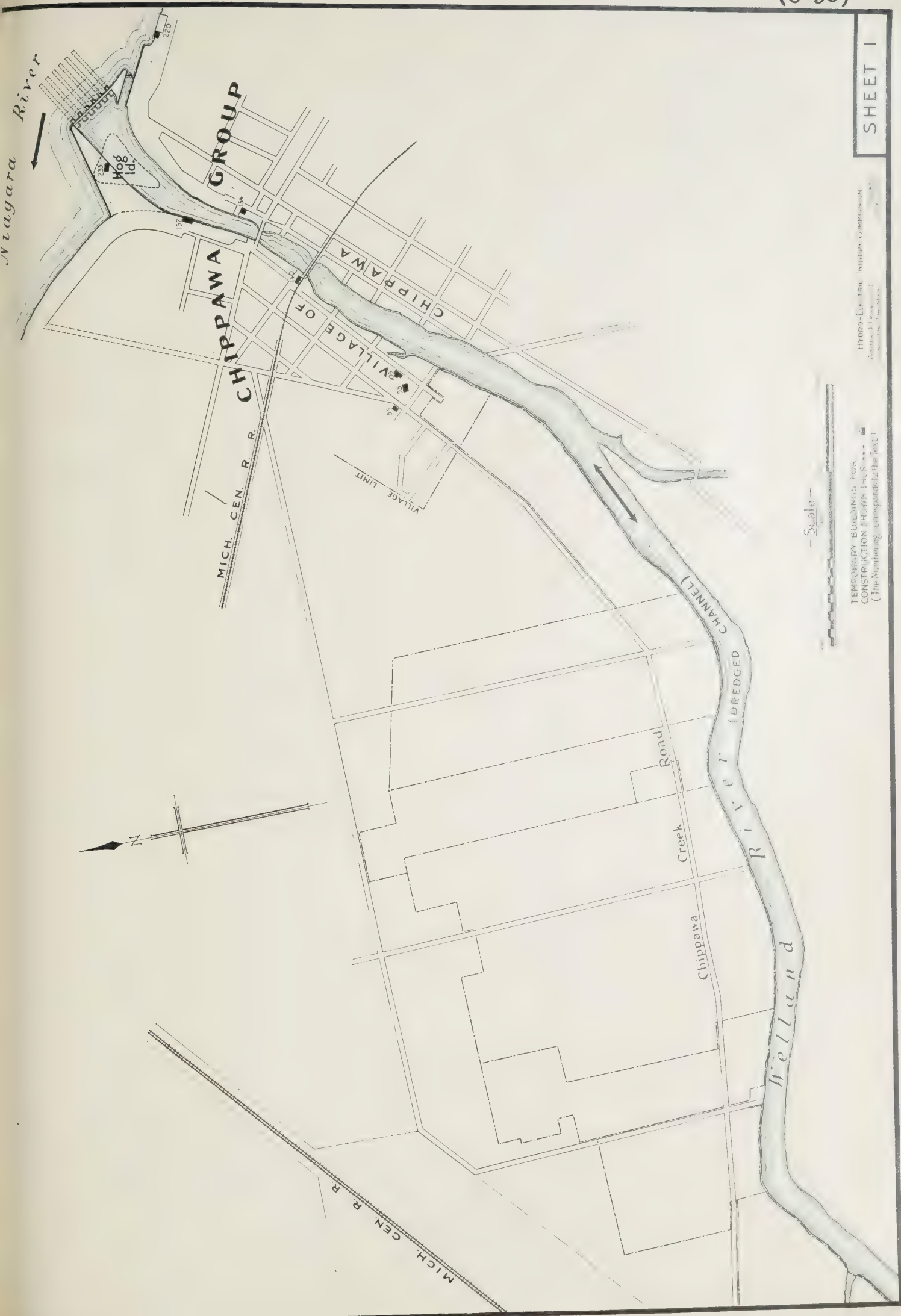
The most practicable check that we have been able to apply is that of the cost per cubic foot. This cost has proven to be quite conservative considering the general conditions obtaining when the temporary buildings were constructed. In many cases the calculated unit costs were less than corresponding costs within our experience under comparable conditions. The following table, included as pages J-96 to J-97 shows the result of the studies for the typical building chosen.

HYDRO-ELECTRIC INQUIRY COMMISSION
W.D. GREGORY-CHAIRMAN
QUEENSTON-CHIPPAWA POWER DEVELOPMENT
TEMPORARY BUILDINGS FOR CONSTRUCTION
KEY PLAN FOR 6 SHEETS FOLLOWING

Toronto, Oct. 6th, 1922. Made by *SM*, Checked by *LM*:

WALTER J. FRANCIS, C.E.,
CONSULTING ENGINEER





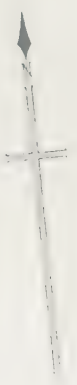
HYDRO-LOG. ENG. INDIAN COMMISSION
Scale 1:50,000
Sheet No. 1 of 10

TEMPORARY BUILDINGS FOR
CONSTRUCTION SHOWN IN DASHED LINES
(The Numbers correspond to the text)

Scale

HYDRO-ELECTRIC INQUIRY COMMISSION
WALTER J. FRASER, C.E.
BY L. CHURCH

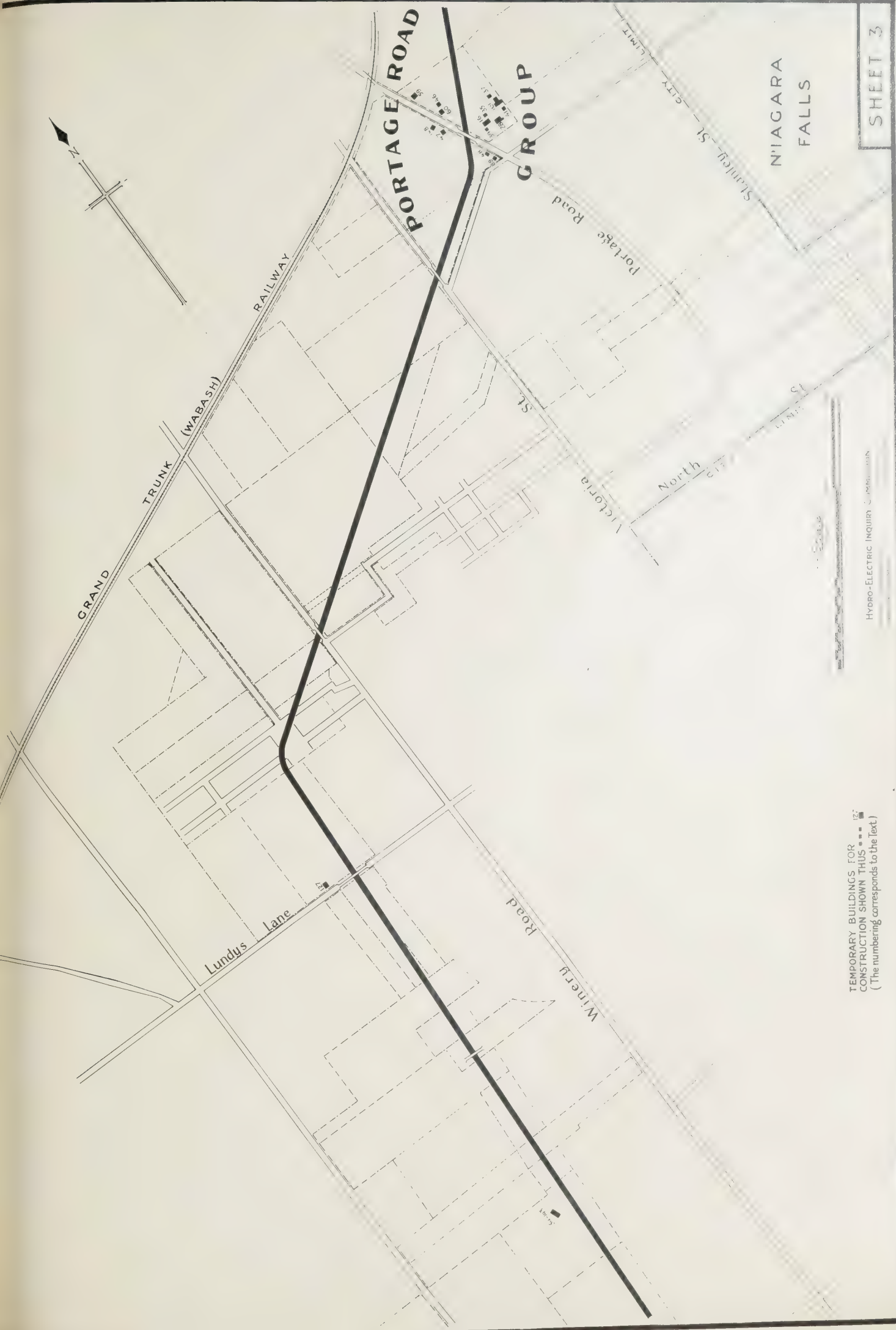
TEMPORARY BUILDINGS FOR
CONSTRUCTION SHOWN TEXT
(The numbering of buildings is in Text)

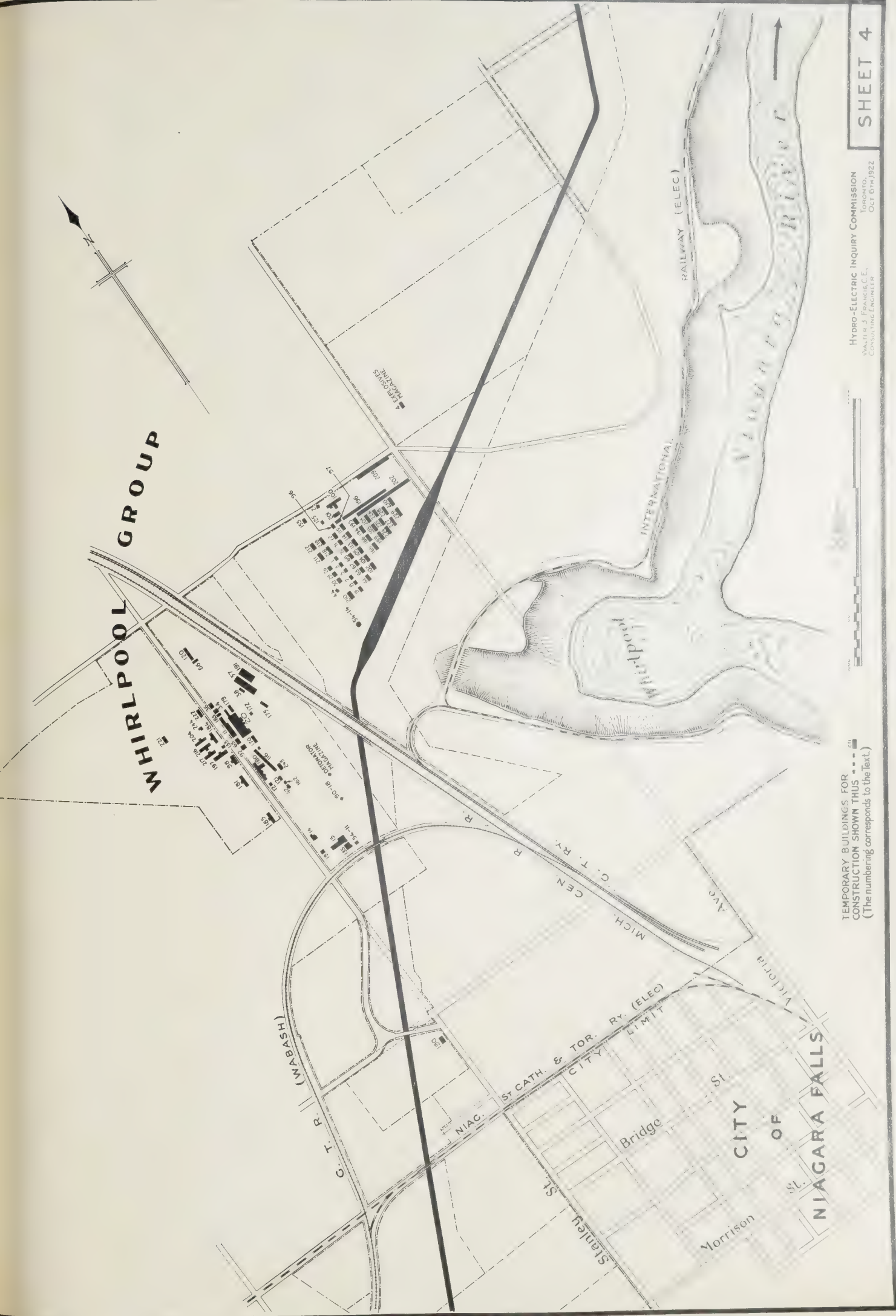


NIAGARA
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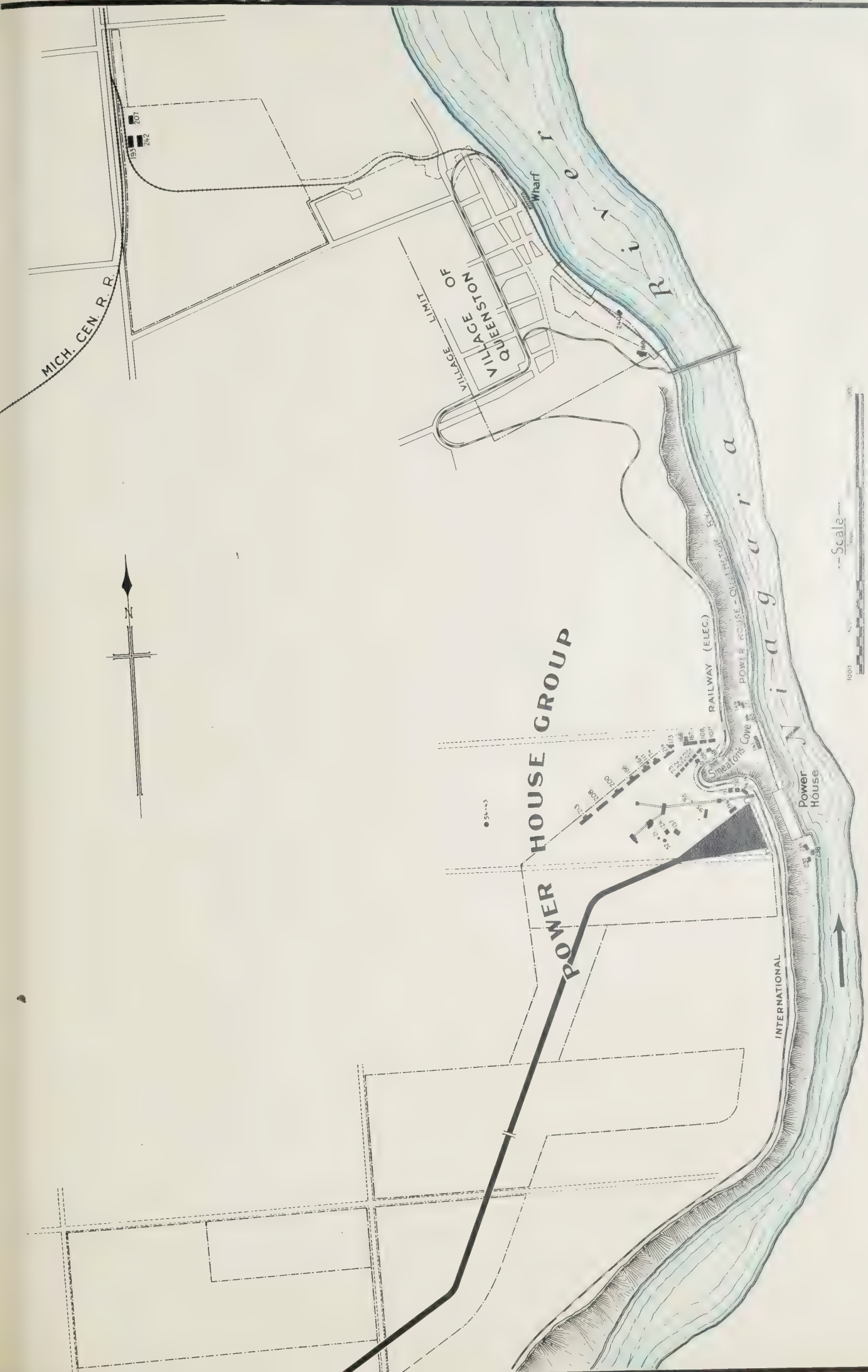
HYDRO-ELECTRIC INQUIRY COMMISSION

TEMPORARY BUILDINGS FOR
CONSTRUCTION SHOWN THUS ■■■■
(The numbering corresponds to the text.)





TEMPORARY BUILDINGS FOR
CONSTRUCTION SHOWN THUS: ---
(The numbering corresponds to the Text.)



TEMPORARY BUILDINGS FOR
CONSTRUCTION SHOWN THUS ---
(The Numbering corresponds to the text)





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WHITE COPIES OF

Building Number	Name or Use	Shown on Page Harbor	Year Constructed
52	Bank House. Foreign Labour	J-45	1918
229	Bank House. Foreign Labour	J-46	1921
73	Small Bank House. Foreign Labour	J-49	1917
89	Small Bank House. Foreign Labour	J-49	1917
61	Small Bank House. Foreign Labour	J-49	1917
100	Large Boarding House. Skilled Labour	J-50	1918
55	Large Bank House. Skilled Labour	J-51	1918
221	Boarding Camp. Skilled Labour	J-52	1921
212	Cement Shed at Wharfedale	J-52	1920
121	Boarding Camp. Skilled Labour	J-53	1920
190	Boarding Camp. Skilled Labour	J-54	1920
164-A	Boarding Camp. Skilled Labour	J-54	1920
186	Bank House. Skilled Labour	J-55	1920
196	Bank House. Foreign Labour	J-55	1918
141	Hospital	J-58	1920
197	Main Office Building for Works	J-59	1920
23	Central Plant Repair Shop	J-60	1917
57	Locomotive House at Wharfedale	J-61	1917
151	Car Repair Shop at Wharfedale	J-62	1920
188	Compressor House at Westrose	J-63	1920
209	Main Cement Shed at Wharfedale	J-63	1921
13	Compressor Ho. and Transformer Station	J-64	1917
127	Misc. Storage Building at Wharfedale	J-66	1919
11	Main Storage Building and Store Office	J-66	1917
19	Linemen's Store House at Wharfedale	J-67	1917
54-11	Compressor Cooling Tower at Wharfedale	J-69	1919
54-73	Wattman's Shanty	J-69	1920
54-71	Portable Tool Shack	J-69	1920
54-14	Water Tank No.2 at Wharfedale	J-69	1919
54-156	Pump Shack	J-70	1920

ESTIMATED BUILDINGS

Estimated Volume Cu.Ft.	Estimated Cost per Cubic Foot Cents	Remarks
13,700	12	First building of row shown in Photo repla J-3.
24,000	13	Building in foreground, Whirlpool Group.
15,000	15	Heated by stoves. Cement block chimney.
9,480	17	Heated by stoves. Tile drain pipe chimney.
16,000	15	Heated by stoves. Brick chimney.
152,800	19	Heated by steam. Concrete foundation.
65,000	22	Heated by steam. Two-story verandah.
95,000	19	Heated by stoves. Concrete foundation.
394,000	8	No heating.
151,500	19	Heated by steam. Concrete foundation.
213,900	16	Heated by steam. Concrete foundation.
53,400	34	Heated by steam. Cedar finish.
89,500	26	Heated by steam. Concrete foundation.
22,400	12	Heated by stoves. Brick chimney.
123,320	13	Heated by furnace. Brick chimney.
104,600	18	Heated by steam. Concrete foundation.
760,275	7	Heated by stoves. Concrete floor.
531,000	5	Concrete and timber foundation.
394,000	11	On concrete pillars.
153,200	14	Heated by stoves. Concrete floor.
324,000	9	Thirty-eight sliding doors.
163,000	19	Heated by stoves. Concrete floor.
156,000	7	Heated by stoves.
271,330	11	Heated by stoves.
22,528	19	Heated by stoves.
61,600	19	Covering only.
12,000	13	Heated by stove.
1,920	16	No heating.
11,810	4	Tank cover only.
1,440	9	Heated by stove.

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UNIT COSTS OF

Building Number	Name or Use	Shown on Page Number	Year Constructed
54-13 ...	Sand Drier House	J-70	1919
51	Field Closets	J-70	1917
54-100 ..	Powder House	J-70	1921
54-61 ...	Tool House	J-70	1919
54-44 ...	Branch Storehouse	J-71	1919
54-182 ..	Branch Storehouse	J-71	1921
54-77 ...	Portable Pump on Trolley Wagon	J-71	1920
54-214 ..	Oil House	J-71	1921
54-119 ..	Portable Blacksmith Shop	J-71	1920
54-157 ..	Oil House	J-72	1921
54-216 ..	Oil House	J-72	1921
54-90 ...	Waiting Room	J-72	1920
54-83 ...	Branch Storehouse	J-72	1920
54-42 ...	Transformer Shack	J-72	1919
54-126 ..	Garage	J-72	1920
54-107 ..	Foreman's Shanty	J-73	1920
54-134 ..	Oil House	J-73	1920
54-213 ..	Garbage Building	J-73	1921
54-200 ..	Gate Keeper's Shanty	J-73	1921
54-127 ..	Portable Dynamite Shack	J-73	1920
54-87 ...	Sewage Disposal Pump House	J-73	1919
54-55 ...	Transformer House	J-74	1919
54-56 ...	Portable Compressor House	J-74	1919
54-170 ..	Transformer House	J-74	1921
54-18 ...	Iron Rack	J-74	1919
54-143 ..	Electric Shovel Repair Parts	J-74	1920
54-233 ..	Linenman's Shack	J-74	1921
54-21 ...	Iron Rack	J-75	"
54-188 ..	Watchman's Shack	J-75	1921

ESTIMATED BUILDINGS

Estimated Volume Cu.Ft.	Estimated Cost per Cubic Foot Cents	Remarks
1,980	14	Stove for drying sand.
784	25	One hundred built. No heating.
3,600	19	No heating.
640	17	Heated by stove.
3,188	13	No heating.
1,920	13	No heating.
256	25	Shack only.
2,320	17	No heating.
4,333	31	No heating.
1,206	25	No heating. Concrete floor.
1,730	11	No heating.
1,890	12	No heating.
3,600	6	Heated by stove.
1,940	6	Foundation of small timber beams.
2,502	12	No heating.
480	19	No heating.
3,433	13	No heating.
2,360	8	Post foundation. Fly screen walls.
864	19	No heating.
4,443	9	Electric heating.
2,160	13	No heating.
7,760	6	No heating.
2,600	16	On timber skids.
1,909	19	No heating.
7,200	3	Open frame construction.
177,000	14	Lined with t. and p. lumber half way up walls.
1,680	16	-
2,800	7	Open frame construction.
200	17	-

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The Cost of the Buildings.

The total cost of the temporary buildings as shown by the records and as confirmed by us within reasonable limits is \$2,214,054.58. This figure is the cost of the temporary buildings as shown on the books as at March 31st, 1922, and includes the original construction cost of the buildings as given in the table on pages J-77 to J-87 together with all their equipment, operation and maintenance costs, as well as a due proportion of the local and general overhead charges. Nearly the whole of this amount has been absorbed in the general construction account of the Queenston-Chippewa Power Development, the only item remaining on the books as a direct charge against buildings being the figure \$150,761.09 which the engineers of the Hydro-Electric Power Commission have fixed as the salvage value of the temporary buildings.

The Disposition and Salvage of the Buildings.

It is difficult if not impossible to place an exact salvage value on the temporary buildings. The acquired buildings on comparatively favourable sites undoubtedly retain much if not all of their original domestic value, as the proximity of the canal is not necessarily a detriment to the building itself. The newly constructed temporary buildings have only a transitory value. Owing to their size and type they are not suited, within economic limits, for anything but the purpose for which they were constructed. If wrecked, the salvage value would not be very great. It is possible that in occasional instances some return might be obtained. On the whole, however, I am disposed to the opinion that of the total cost of the temporary buildings at least two million dollars will

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James M. Smith's Lexicon

The first part of the book is devoted to a general introduction to the study of the English language. It discusses the history of the language, the different dialects, and the various influences that have shaped it. The second part is a detailed account of the grammar of the language, covering the various parts of speech and the rules of syntax. The third part is a collection of examples of the language in use, drawn from the works of the great English writers. The fourth part is a glossary of the most important words and phrases, with their meanings and uses explained. The fifth part is a list of the most common mistakes made by learners of the language, with advice on how to avoid them. The sixth part is a list of the most important books and authors in the field of English literature. The seventh part is a list of the most important facts and dates in the history of the language. The eighth part is a list of the most important names and places in the history of the language. The ninth part is a list of the most important events and incidents in the history of the language. The tenth part is a list of the most important laws and regulations in the history of the language. The eleventh part is a list of the most important customs and traditions in the history of the language. The twelfth part is a list of the most important habits and manners in the history of the language. The thirteenth part is a list of the most important virtues and vices in the history of the language. The fourteenth part is a list of the most important principles and maxims in the history of the language. The fifteenth part is a list of the most important maxims and precepts in the history of the language. The sixteenth part is a list of the most important maxims and precepts in the history of the language. The seventeenth part is a list of the most important maxims and precepts in the history of the language. The eighteenth part is a list of the most important maxims and precepts in the history of the language. The nineteenth part is a list of the most important maxims and precepts in the history of the language. The twentieth part is a list of the most important maxims and precepts in the history of the language.

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have to be charged up against the construction cost of the Queenston-Chippawa Power Development.

It is conceivable that if a material increase in the Queenston-Chippawa Power Development were decided upon following along the present general lines, the temporary buildings might be again called upon to perform their original function in many cases.

Meanwhile most of the important temporary buildings are out of commission and are closed with barriers, while those in service are housing the present working plant and continuing to function as before.

COPY

Walter J. Francis
Consulting Engineer.

Toronto, November 10th, 1922.
